International Journal of Engineering Science Invention Research & Development; Vol. 10, Issue 5, November 2023
www.ijesird.com, E-ISSN: 2349-6185

CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF 23 LOCALITIES IN SOUTHERN AFRICA

M. Cooper
University of Johannesburg, South Africa.

***Abstract*- A correlation matrix between seven climatic factors for 23 type localities of forest millipedes were generated. Correlations between average temperature, minimum temperature, maximum temperature, precipitation, humidity, number of rainy days and average sun hours at each locality are figured.**

***Keywords:* climate, Red Millipedes**

I. INTRODUCTION

Red millipedes are found in the southern African subregion with northern limits on the east coast being about -17° latitude S and southern limits being -35° latitude S. They are well represented in the littoral forests of the eastern half of the subcontinent [1-297]. It consists of taxonomically important species with 12 species considered threatened and includes nine vulnerable and three endangered species [226]. It occurs in all the forests of the coastal belt from the Cape Peninsula to Beira in Mocambique [225]. These worm-like millipedes have female-biased sexual size dimorphism [57].

Here, seven climatic factors are correlated with each other at 23 localities of forest millipedes. These are the location of *Centrobolus* Cook, 1897 and *Sphaerotherium* Brandt, 1833 [1-511].

II. MATERIALS AND METHODS

Climatic factors were obtained for 23 localities at https://en.climate-data.org/africa/south-africa over a twelve month monthly period (Appendix 1-161). Each factor was correlated against each other at https://www.socscistatistics.com/tests/pearson/default2.aspx and positive results reported.

III. RESULTS

Lochiel

Average temperature was correlated with minimum temperature (Fig. 1: r=0.9405, r^2=0.8845, n=12, p<0.00001), maximum temperature (Fig. 2: r=0.8204, r^2=0.6731, n=12, p=0.001079), precipitation (Fig. 3: r=0.9213, r^2=0.8488, n=12, p=0.000021), humidity (Fig. 4:r=0.9212, r^2=0.8486, n=12, p=0.000021), rainy days (Fig. 5: r=0.9261, r^2=0.8577, n=12, p=0.000015), and average sun hours (Fig. 6: r=-0.9201, r^2=0.8466, n=12, p=0.000022). Minimum temperature was correlated with maximum temperature (Fig. 7: r=0.9365, r^2=0.877, n=12, p<0.00001), precipitation (Fig. 8: r=0.9303, r^2=0.8655, n=12, p=0.000012), humidity (Fig. 9: r=0.9061, r^2=0.821, n=12, p=0.000049), rainy days (Fig. 10: r=0.9405, r^2=0.8845, n=12, p<0.00001), and average sun hours (Fig.11: r=0.9172, r^2=0.8413, n=12, p=0.000027). Maximum temperature was correlated with precipitation (Fig. 12: r=0.8659, r^2=0.7498, n=12, p=0.000271) and humidity (Fig. 13: r=0.7103, r^2=0.5045, n=12, p=0.009637), rainy days (Fig. 14: r=0.9015, r^2=0.8127, n=12, p=0.000062), and average sun hours (Fig. 15: r=-0.754, r^2=0.5685, n=12, p=0.004614). Precipitation was correlated with humidity (Fig. 16: r=0.8752, r^2=0.766, n=12, p<0.00001), rainy days (Fig. 17: r=0.9824, r^2=0.9651, n=12, p<0.00001), and average sun hours (Fig. 18: r=-0.8711, r^2=0.7588, n=12, p=0.000234). Humidity was correlated with rainy days (Fig. 19: r=0.8599, r^2=0.7394, n=12, p=0.000334) and average sun hours (Fig. 20: r=0.9505, r^2=0.9305, n=12, p=0.000334). Rainy days were correlated to average sun hours (Fig. 21: r=0.8709, r^2=0.7585, n=12, p=0.000226).

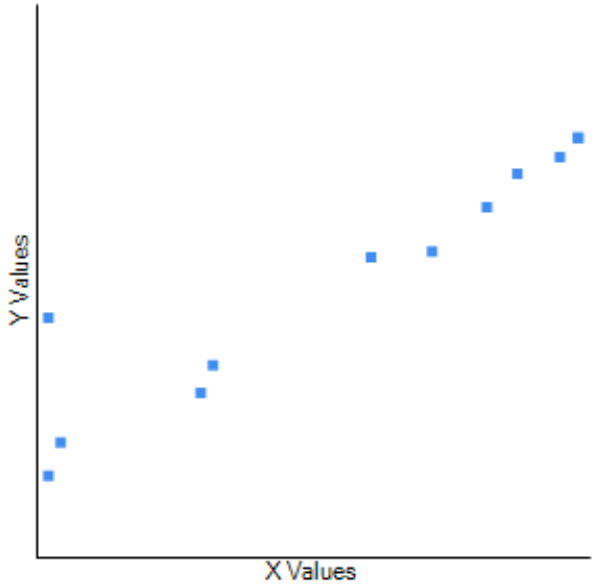


Fig. 1. Correlation between average temperature and minimum temperature in Lochiel.

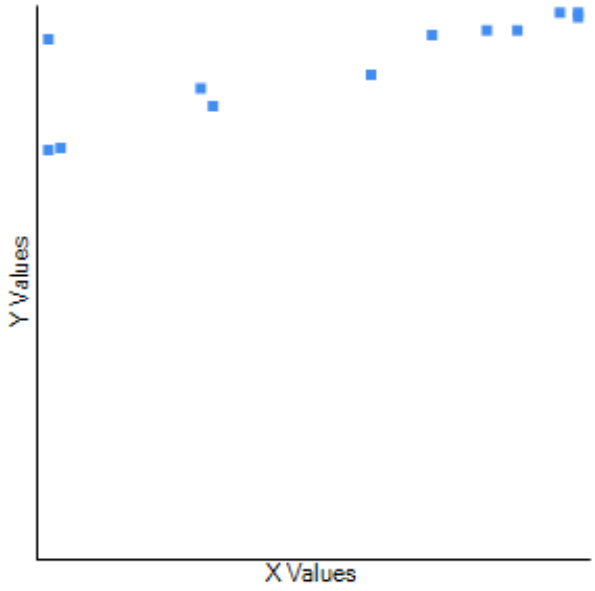


Fig. 2. Correlation between average and maximum temperature in Lochiel.

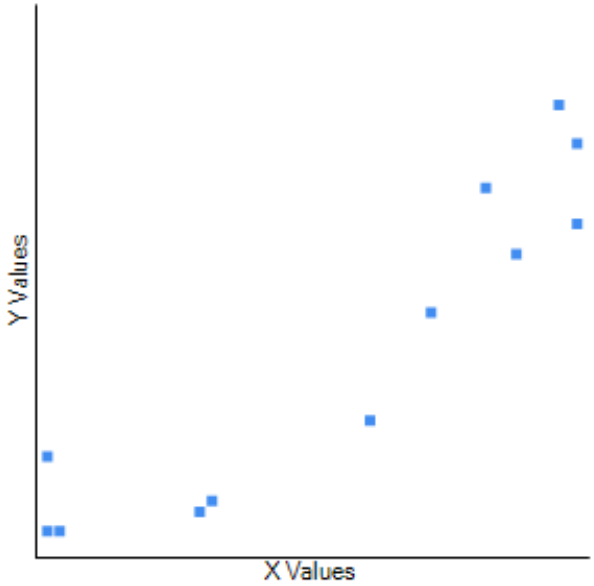


Fig. 3. Correlation between average temperature and precipitation in Lochiel.

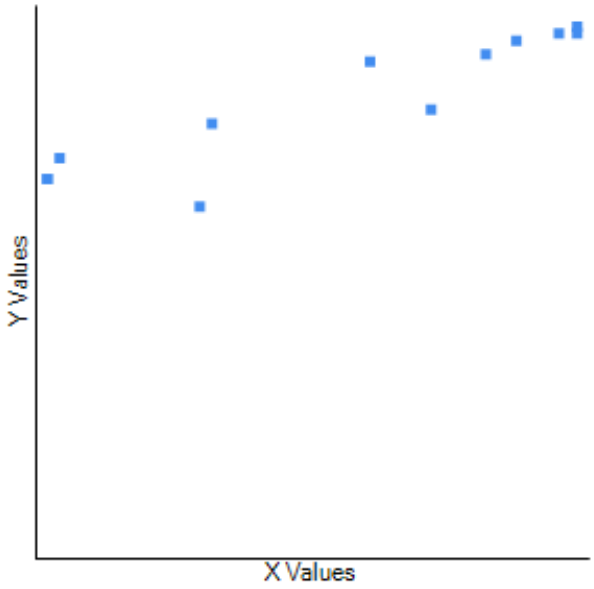


Fig. 4. Correlation between average temperature and humidity in Lochiel.

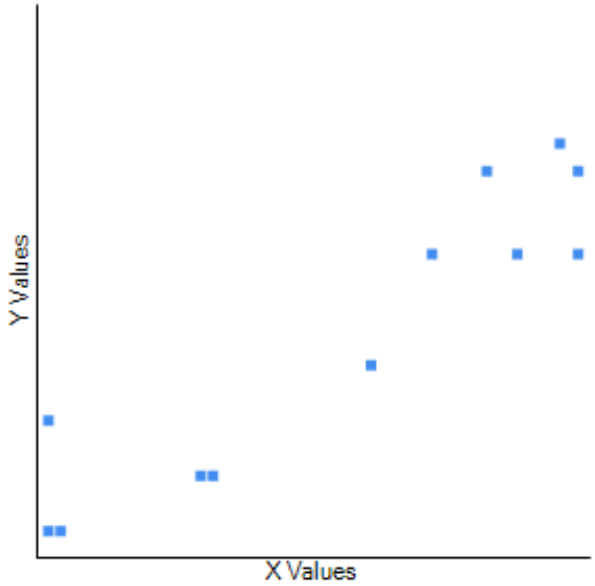


Fig. 5. Correlation between average temperature and rainy days in Lochiel.

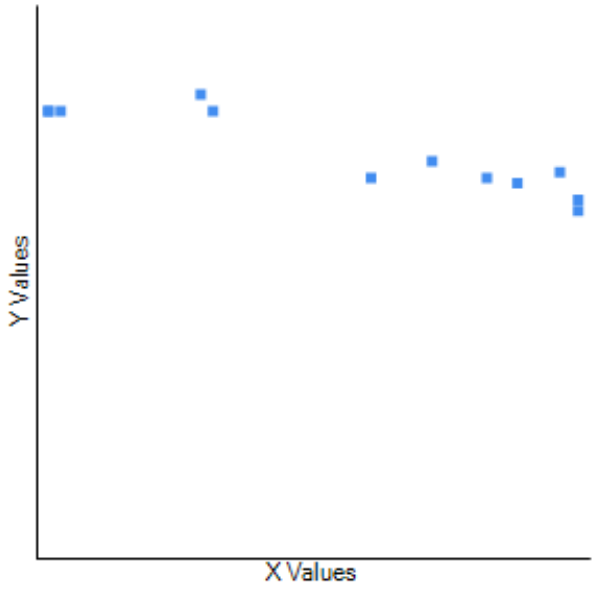


Fig. 6. Correlation between average temperature and average sun hours in Lochiel.

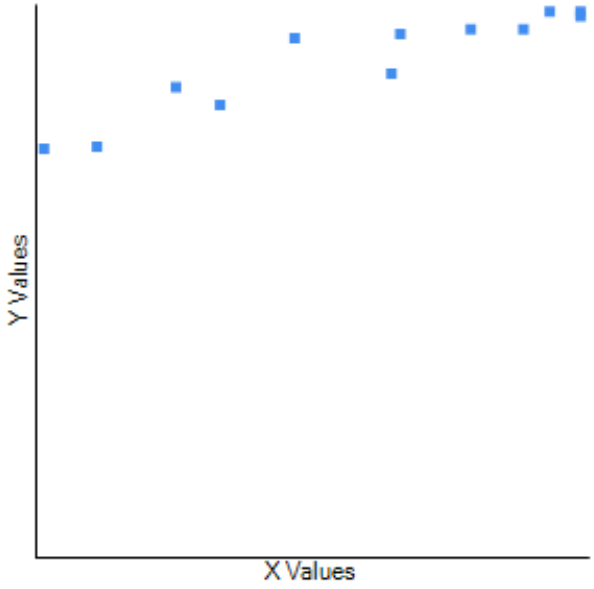


Fig. 7. Correlation between minimum and maximum temperature in Lochiel.

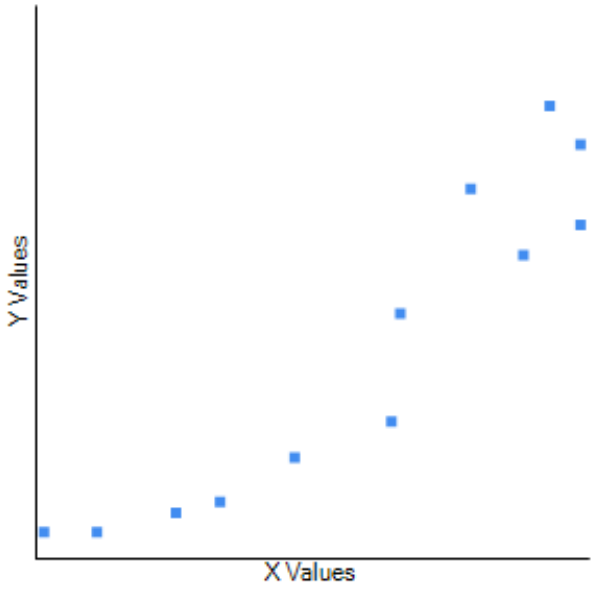


Fig. 8. Correlation between minimum temperature and precipitation in Lochiel.

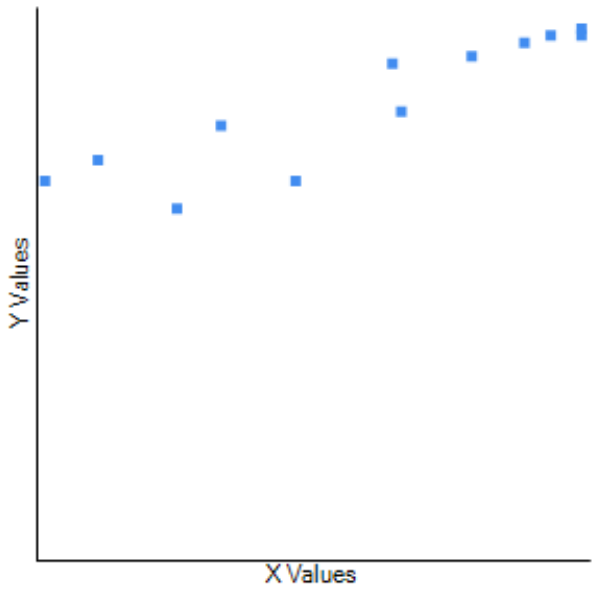


Fig. 9. Correlation between minimum temperature and humidity in Lochiel.

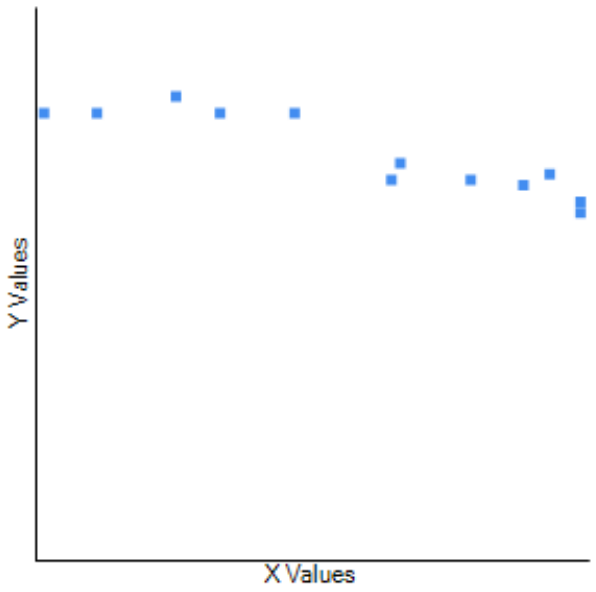


Fig. 11. Correlation between minimum temperature and averrage sun hours in Lochiel.

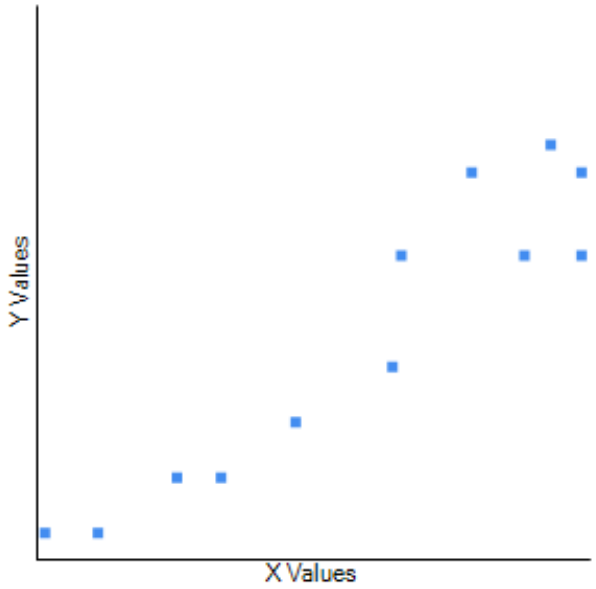


Fig. 10. Correlation between minimum temperature and rainy days in Lochiel.

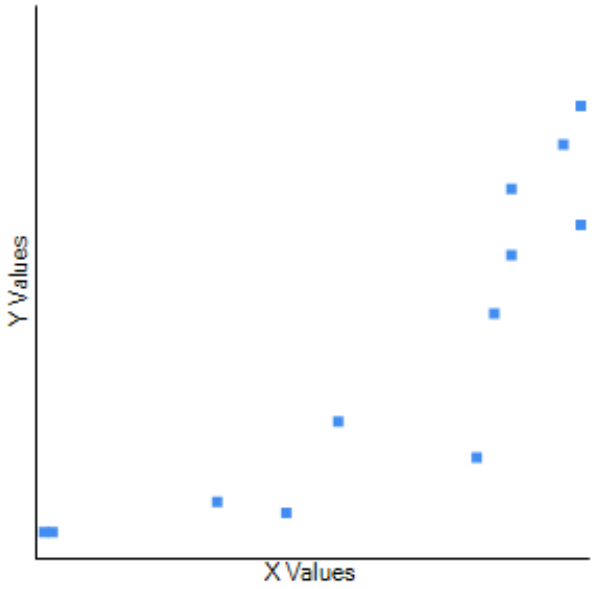


Fig. 12. Correlation between maximum temperature and precipitation in Lochiel.

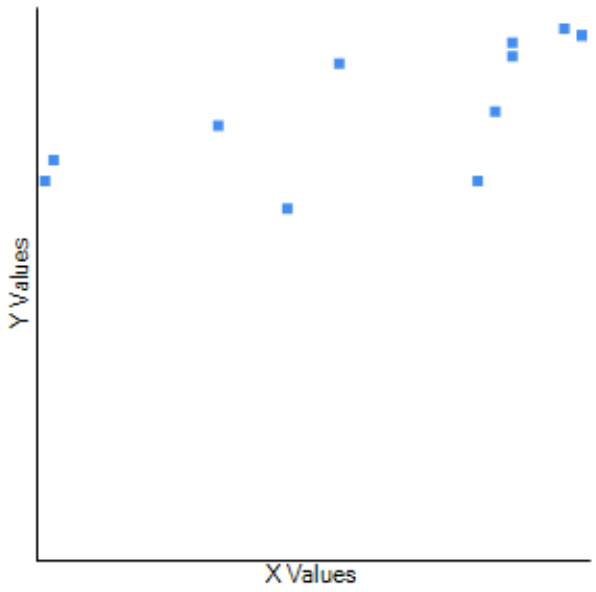


Fig. 13. Correlation between maximum temperature and humidity in Lochiel.

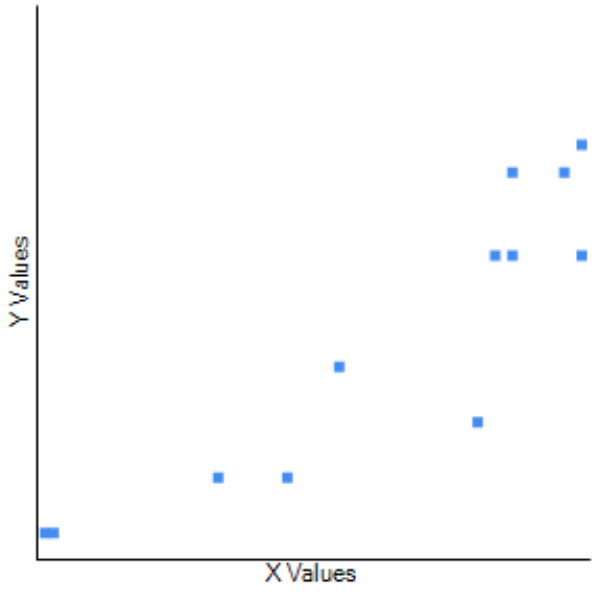


Fig. 14. Correlation between maximum temperature and rainy days in Lochiel.

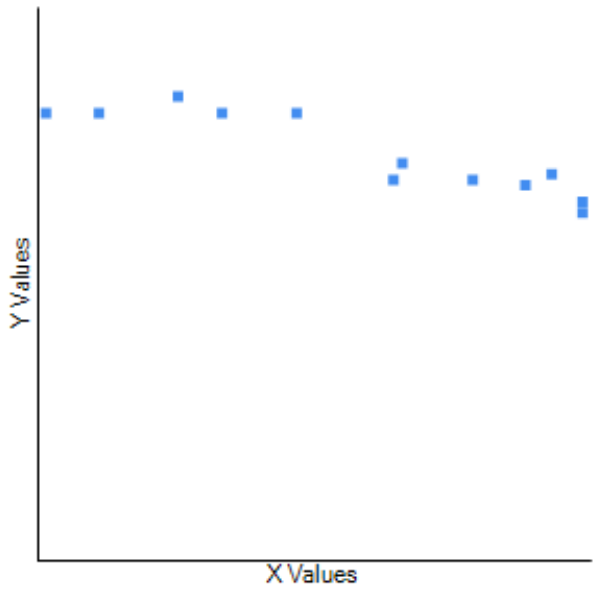


Fig. 15. Correlation between maximum temperature and average sun hours in Lochiel.

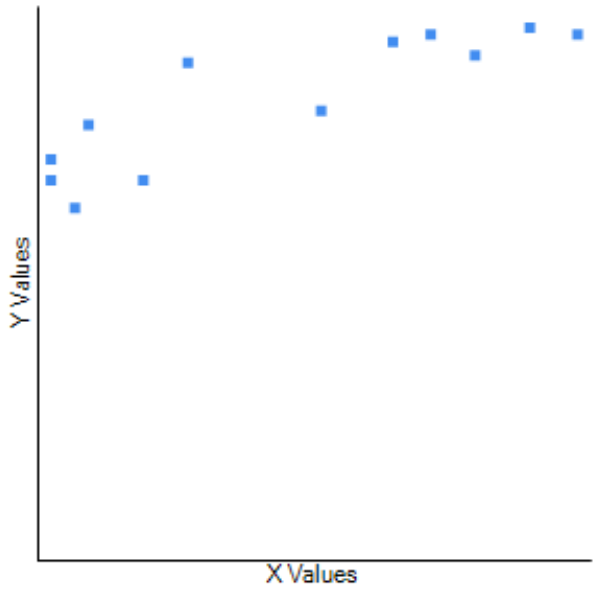


Fig. 16. Correlation between precipitation and relative humidity in Lochiel.

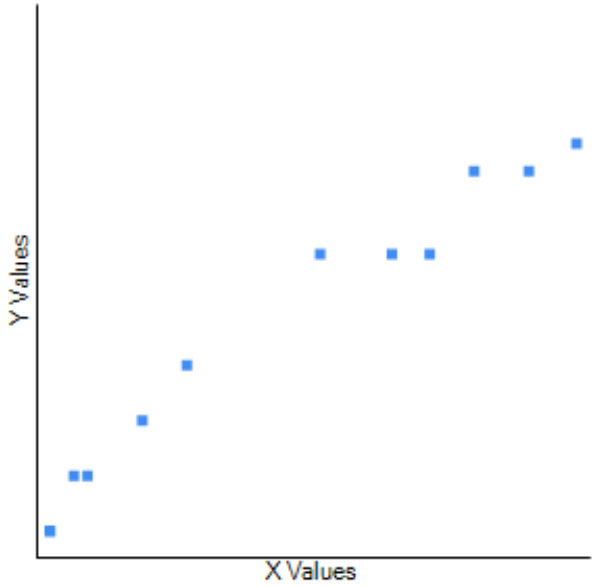


Fig. 17. Correlation between precipitation and rainy days in Lochiel.

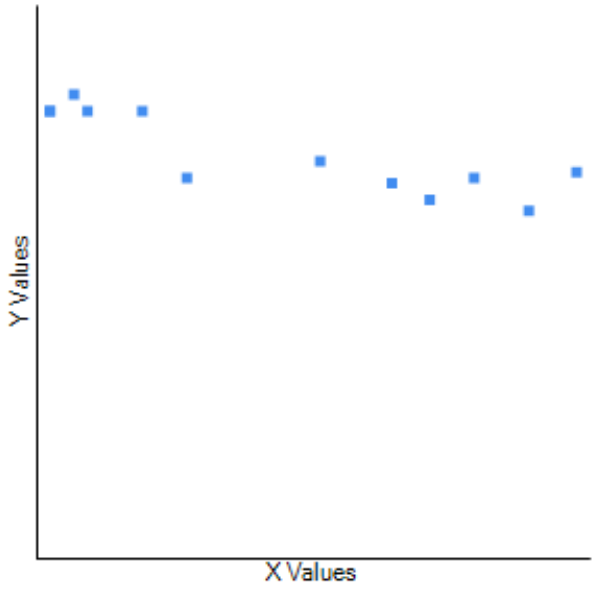


Fig. 18. Correlation between precipitation and average sun hours in Lochiel.

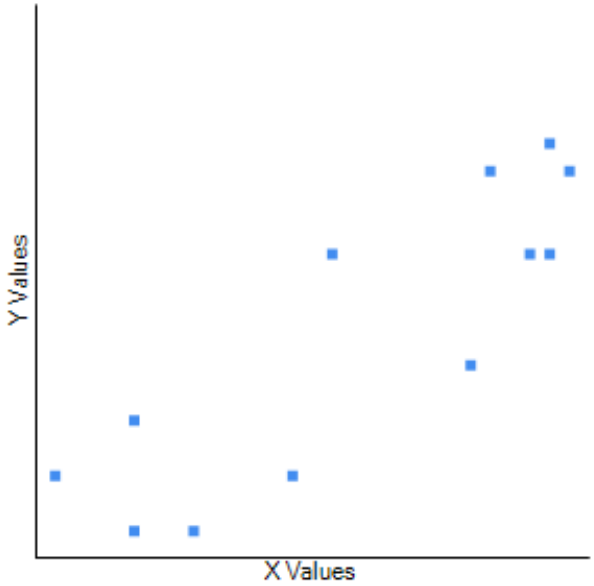


Fig. 19. Correlation between humidity and rainy days in Lochiel.

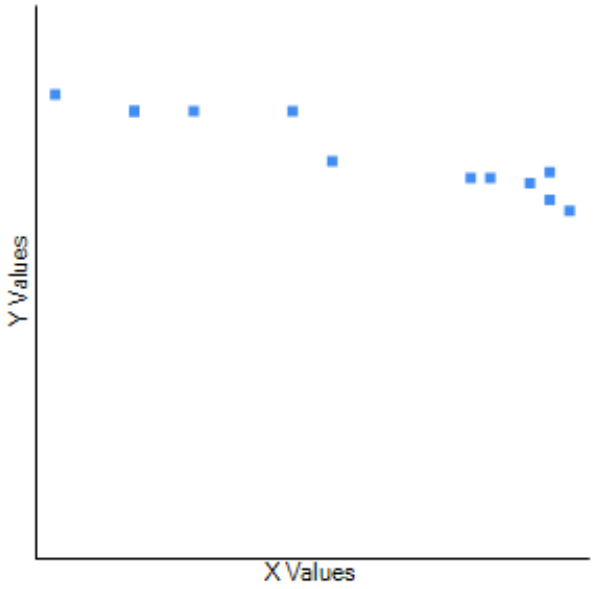


Fig. 20. Correlation between humidity and average sun hours in Lochiel.

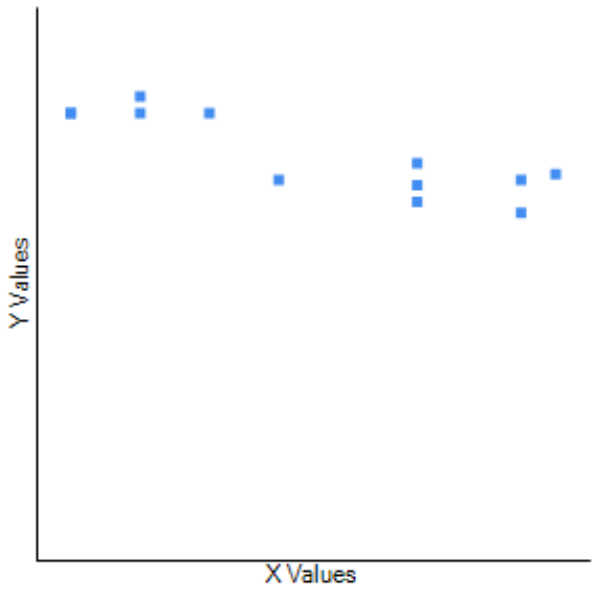


Fig. 21. Correlation between rainy days and average sun hours in Lochiel.

Umhlanga Rocks

Average temperature was correlated with minimum temperature (Fig. 22: r=0.9981, r^2=0.9962, n=12, p<0.00001), maximum temperature (Fig. 23: r=0.9904, r^2=0.9809, n=12, p<0.00001), precipitation (Fig. 24: r=0.8377, r^2=0.7017, n=12, p=0.000671), humidity (Fig. 25: r=0.9553, r^2=0.9126, n=12, p<0.00001), rainy days (Fig. 26: r=0.8119, r^2=0.6592, n=12, p=0.00134), and marginally with average sun hours (Fig. 27: r=-0.5374, r^2=0.2888, n=12, p=0.071561). Minimum temperature was correlated with maximum temperature (Fig. 28: r=0.9809, r^2=0.9622, n=12, p<0.00001), precipitation (Fig. 29: r=0.8646, r^2=0.7475, n=12, p=0.000284), humidity (Fig. 30: r=0.9696, r^2=0.9401, n=12, p<0.00001), rainy days (Fig. 31: r=0.8397, r^2=0.7051, n=12, p=0.000633), and average sun hours (Fig. 32: r=-0.5834, r^2=0.3404, n=12, p=0.046453). Maximum temperature was correlated with precipitation (Fig. 33: r=0.7655, r^2=0.586, n=12, p=0.003709) and humidity (Fig. 34: r=0.9133, r^2=0.8341, n=12, p=0.000033), rainy days (Fig. 35: r=0.7297, r^2=0.5325, n=12, p=0.007065), but not average sun hours (Fig. 36: r=-0.754, r^2=0.5685, n=12, p=0.004614). Precipitation was correlated with humidity (Fig. 37: r=0.9227, r^2=0.8514, n=12, p=0.000019), rainy days (Fig. 38: r=0.969, r^2=0.939, n=12, p<0.00001), and average sun hours (Fig. 39: r=-0.8571, r^2=0.7346, n=12, p=0.000367). Humidity was correlated with rainy days (Fig. 40: r=0.8873, r^2=0.7873, n=12, p=0.000118) and average sun hours (Fig. 41: r=-0.7053, r^2=0.4974, n=12, p=0.0104). Rainy days were correlated to average sun hours (Fig. 42: r=-0.8986, r^2=0.8075, n=12, p=0.000071).

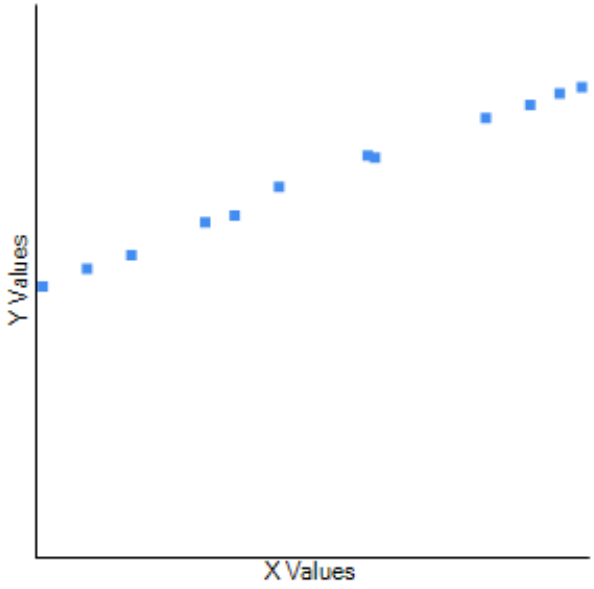


Fig. 22. Correlation between average temperature and minimum temperature in Umhlanga Rocks.

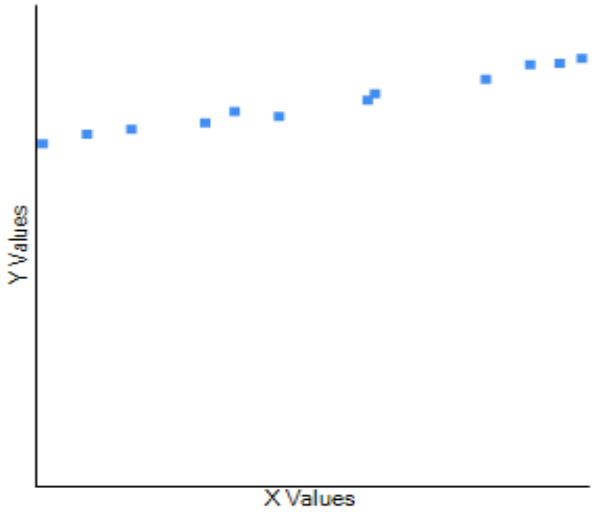


Fig. 23. Correlation between average and maximum temperature in Umhlanga Rocks.

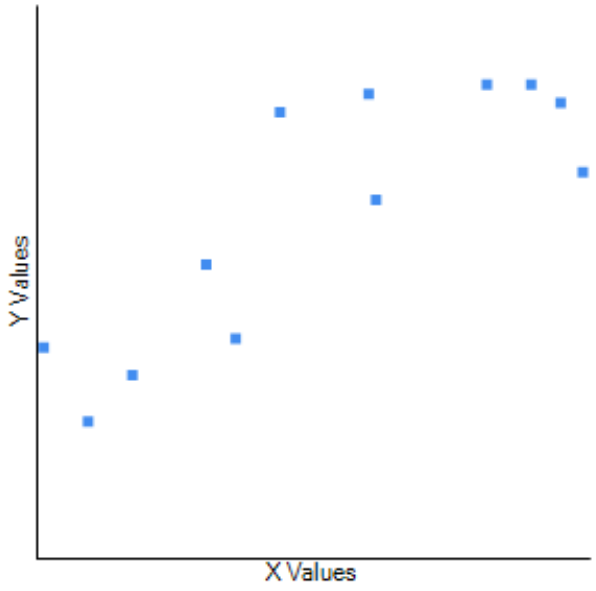


Fig. 24. Correlation between average temperature and precipitation in Umhlanga Rocks.

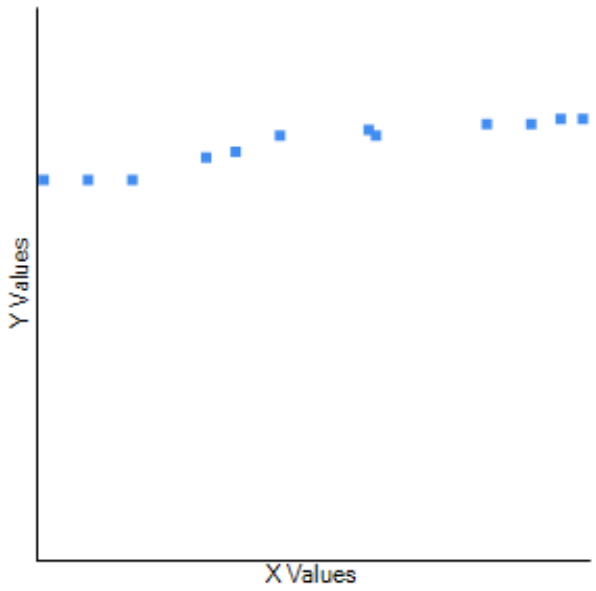


Fig. 25. Correlation between average temperature and humidity in Umhlanga Rocks.

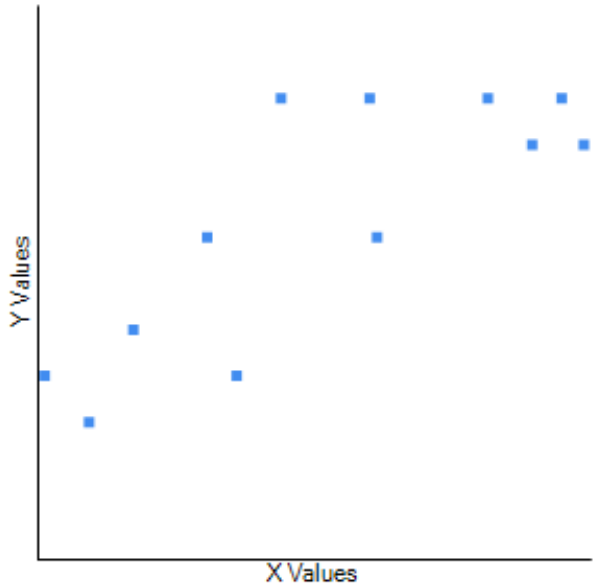


Fig. 26. Correlation between average temperature and rainy days in Umhlanga Rocks.

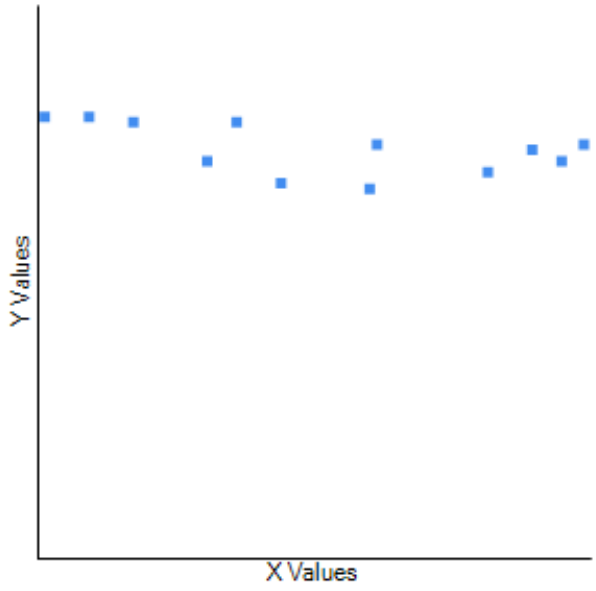


Fig. 27. Correlation between average temperature and average sun hours in Umhlanga Rocks.

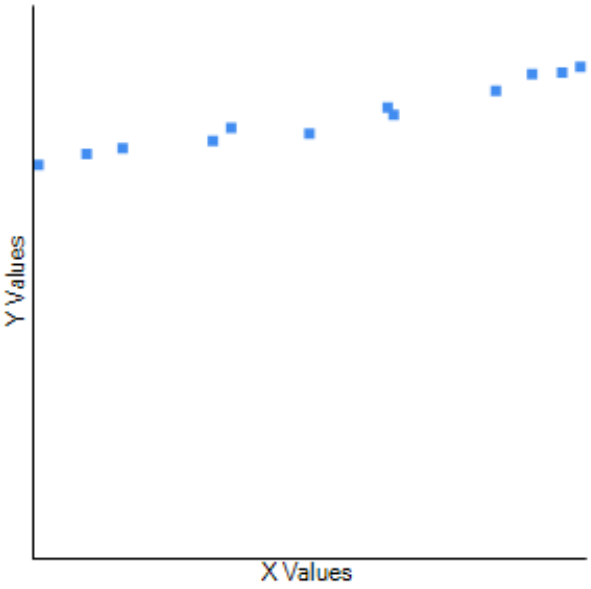


Fig. 28. Correlation between minimum and maximum temperature in Umhlanga Rocks.

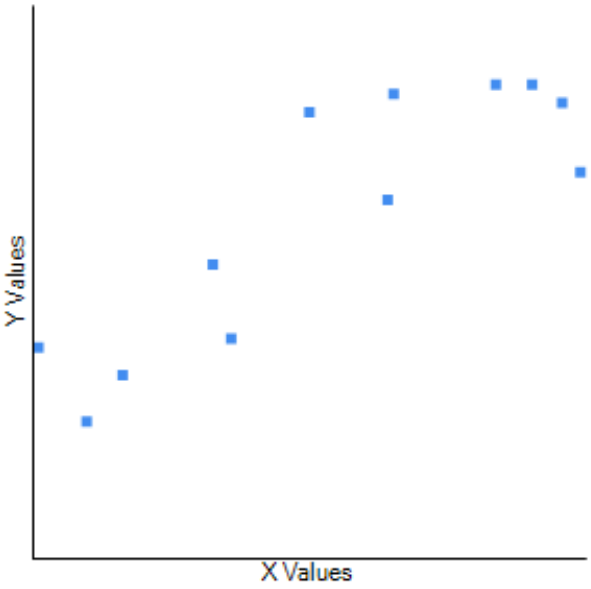


Fig. 29. Correlation between minimum temperature and precipitation in Umhlanga Rocks.

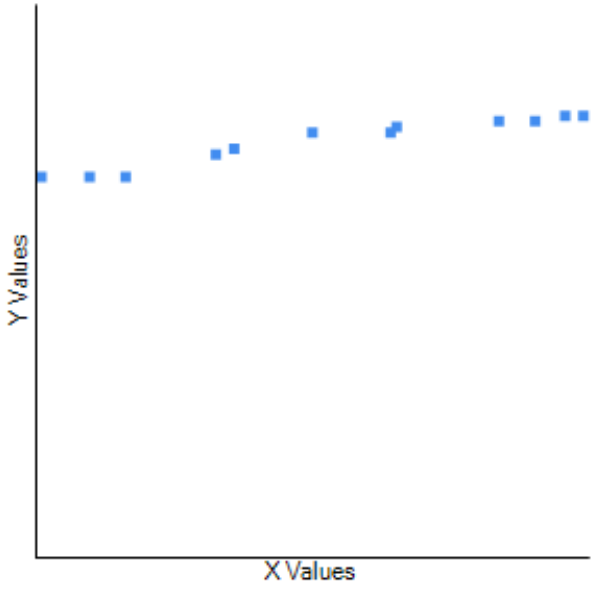


Fig. 30. Correlation between minimum temperature and humidity in Umhlanga Rocks.

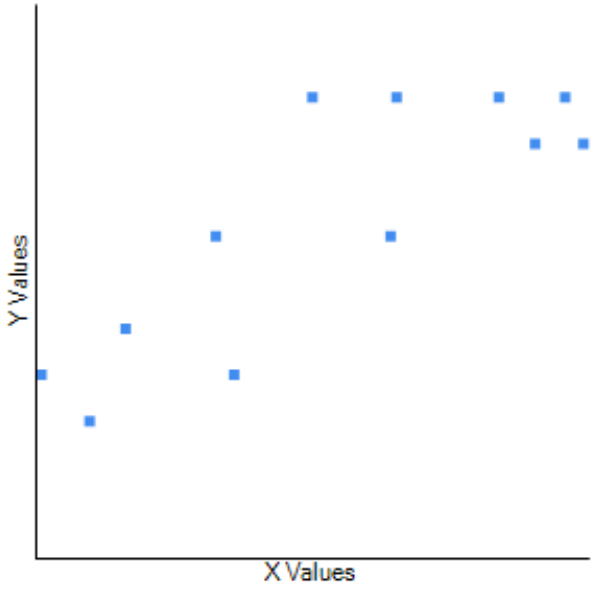


Fig. 31. Correlation between minimum temperature and rainy days in Umhlanga Rocks.

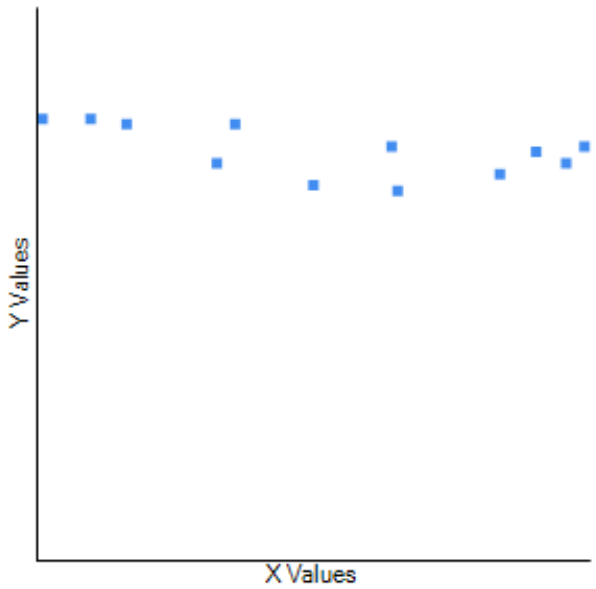


Fig. 32. Correlation between minimum temperature and averrage sun hours in Umhlanga Rocks.

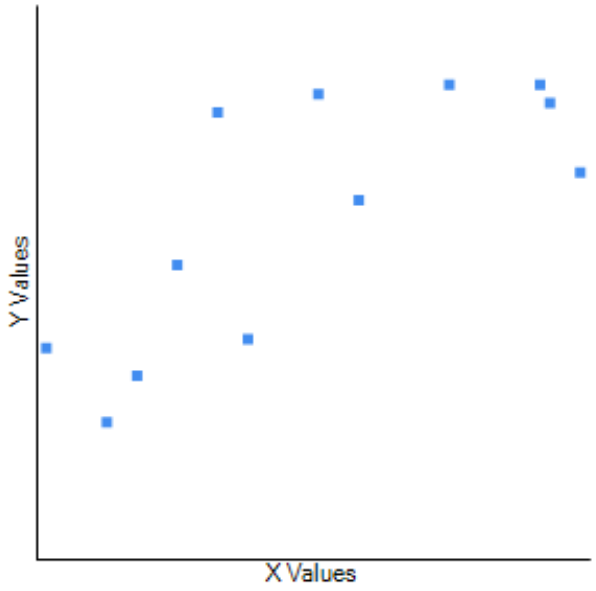


Fig. 33. Correlation between maximum temperature and precipitation in Umhlanga Rocks.

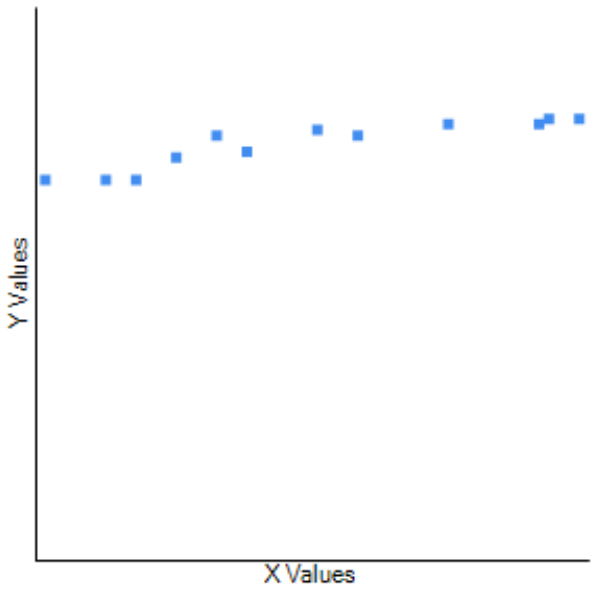


Fig. 34. Correlation between maximum temperature and humidity in Umhlanga Rocks.

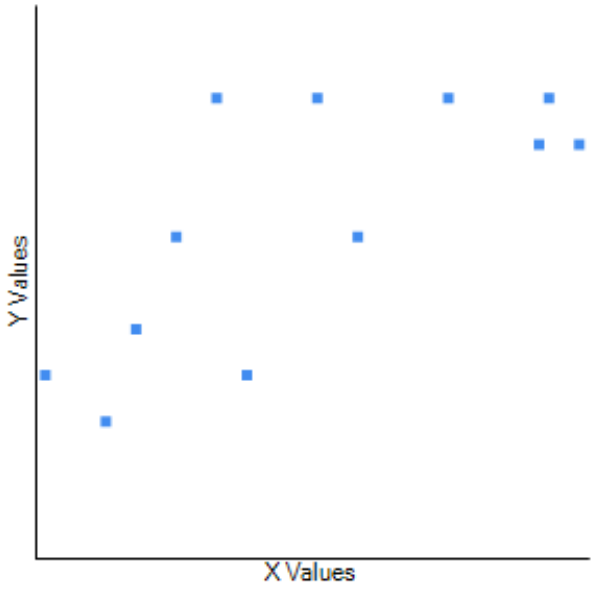


Fig. 35. Correlation between maximum temperature and rainy days in Umhlanga Rocks.

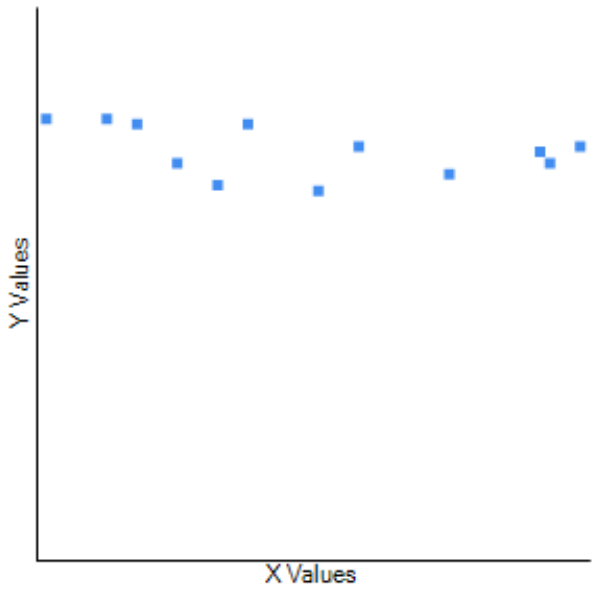


Fig. 36. Correlation between maximum temperature and average sun hours in Umhlanga Rocks.

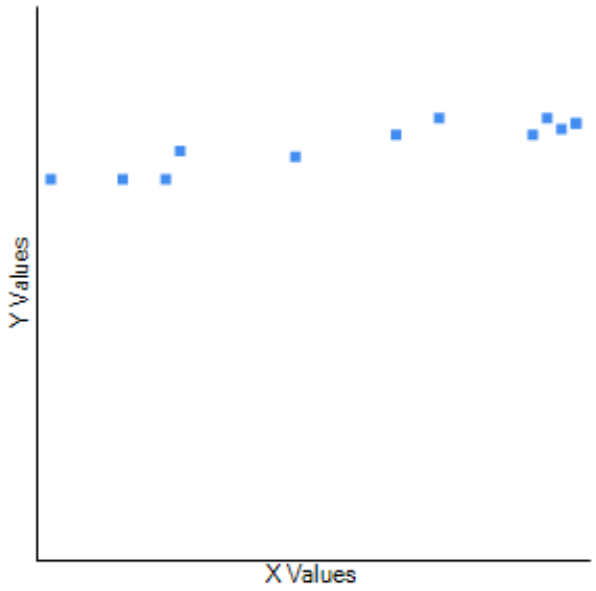


Fig. 37. Correlation between precipitation and relative humidity in Umhlanga Rocks.

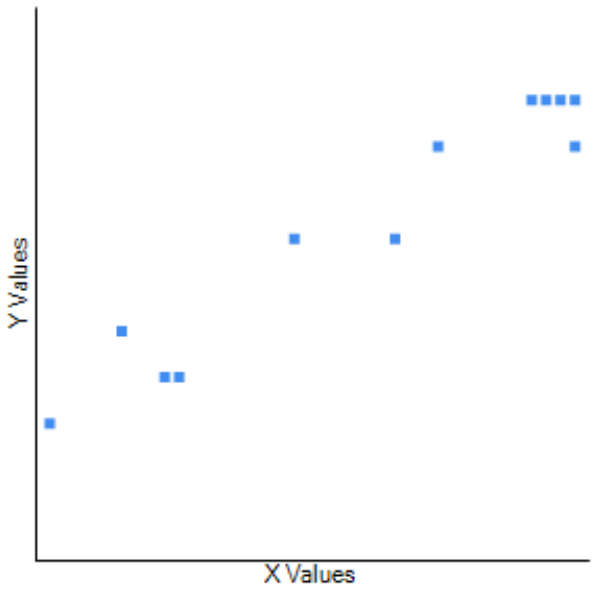


Fig. 38. Correlation between precipitation and rainy days in Umhlanga Rocks.

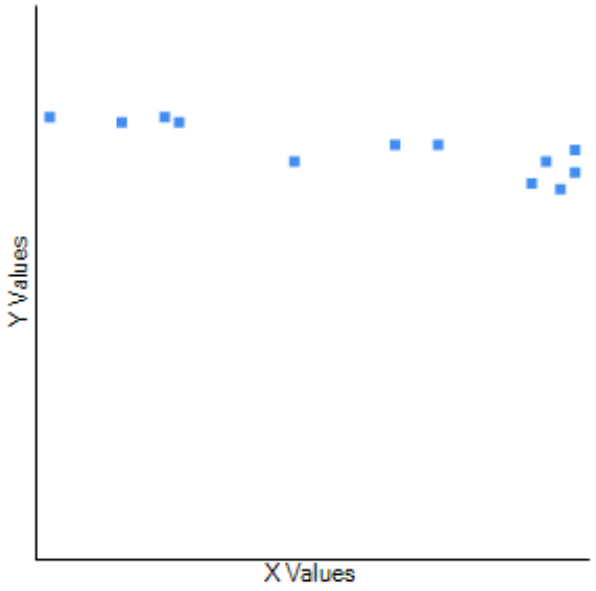


Fig. 39. Correlation between precipitation and average sun hours in Umhlanga Rocks.

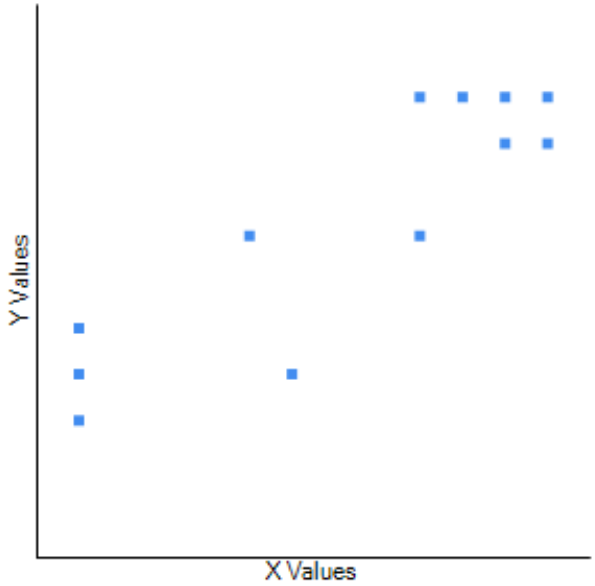


Fig. 40. Correlation between humidity and rainy days in Umhlanga Rocks.

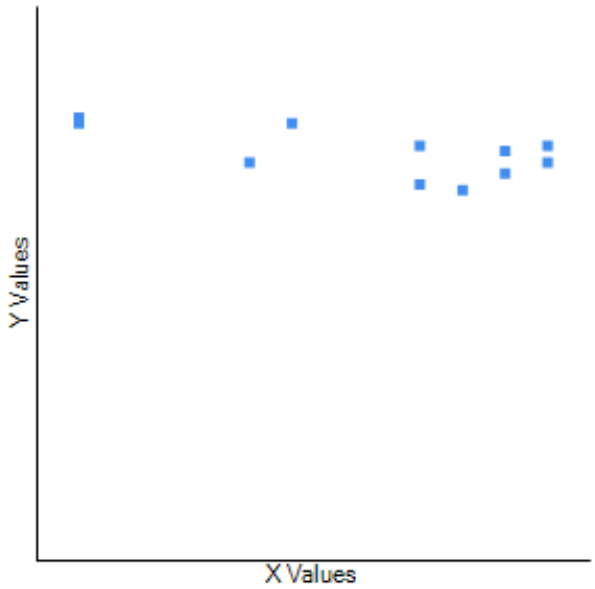


Fig. 41. Correlation between humidity and average sun hours in Umhlanga Rocks.

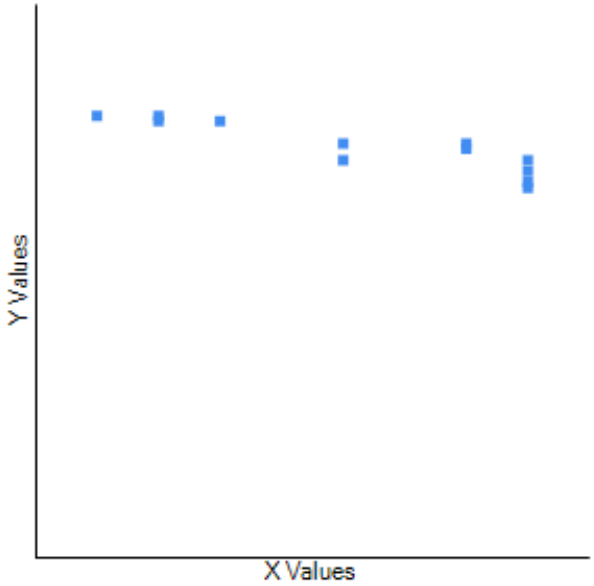


Fig. 42. Correlation between rainy days and average sun hours in Umhlanga Rocks.

Vryheid

Average temperature was correlated with minimum temperature (Fig. 43: $r=0.9948$, $r^2=0.9896$, $n=12$, $p<0.00001$), maximum temperature (Fig. 44: $r=0.9774$, $r^2=0.9553$, $n=12$, $p<0.00001$), precipitation (Fig. 45: $r=0.9048$, $r^2=0.8178$, $n=12$, $p=0.000052$), humidity (Fig. 46: $r=0.838$, $r^2=0.7989$, $n=12$, $p=0.000089$), rainy days (Fig. 47: $r=0.9173$, $r^2=0.8414$, $n=12$, $p=0.000026$), and average sun hours (Fig. 48: $r=-0.8496$, $r^2=0.7218$, $n=12$, $p=0.000468$). Minimum temperature was correlated with maximum temperature (Fig. 49: $r=0.9513$, $r^2=0.905$, $n=12$, $p<0.00001$), precipitation (Fig. 50: $r=0.9022$, $r^2=0.814$, $n=12$, $p=0.00006$), humidity (Fig. 51: $r=0.9322$, $r^2=0.869$, $n=12$, $p<0.00001$), rainy days (Fig. 52: $r=0.9144$, $r^2=0.8361$, $n=12$, $p=0.000031$), and average sun hours (Fig. 53: $r=-0.8776$, $r^2=0.7702$, $n=12$, $p=0.000176$). Maximum temperature was correlated with precipitation (Fig. 54: $r=0.7655$, $r^2=0.586$, $n=12$, $p=0.003709$) and humidity (Fig. 55: $r=0.7833$, $r^2=0.6136$, $n=12$, $p=0.002582$), rainy days (Fig. 56: $r=0.8904$, $r^2=0.7928$, $n=12$, $p=0.000103$), and average sun hours (Fig. 57: $r=-0.7635$, $r^2=0.5829$, $n=12$, $p=0.003856$). Precipitation was correlated with

humidity (Fig. 58: r=0.8593, r^2=0.7367, n=12, p=0.000353), rainy days (Fig. 59: r=0.9877, r^2=0.9756, n=12, p<0.00001), and average sun hours (Fig. 60: r=-0.8355, r^2=0.6981, n=12, p=0.000715). Humidity was correlated with rainy days (Fig. 61: r=0.8741, r^2=0.7641, n=12, p=0.000201) and average sun hours (Fig. 62: r=-0.9214, r^2=0.849, n=12, p=0.000021). Rainy days were correlated to average sun hours (Fig. 63: r=-0.8644, r^2=0.7472, n=12, p=0.000286).

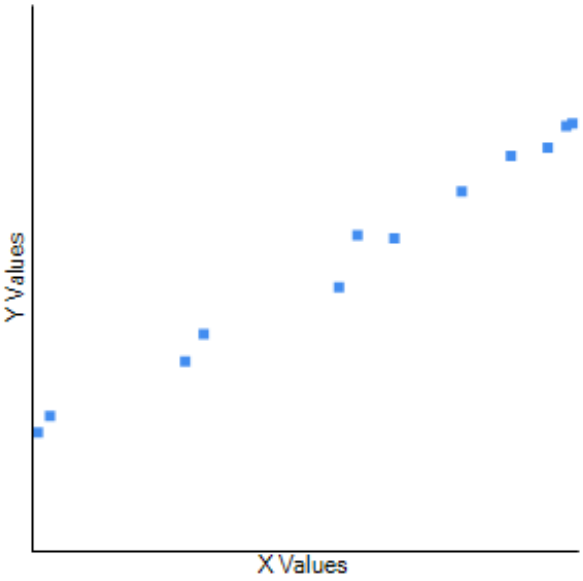


Fig. 43. Correlation between average temperature and minimum temperature in Vryheid.

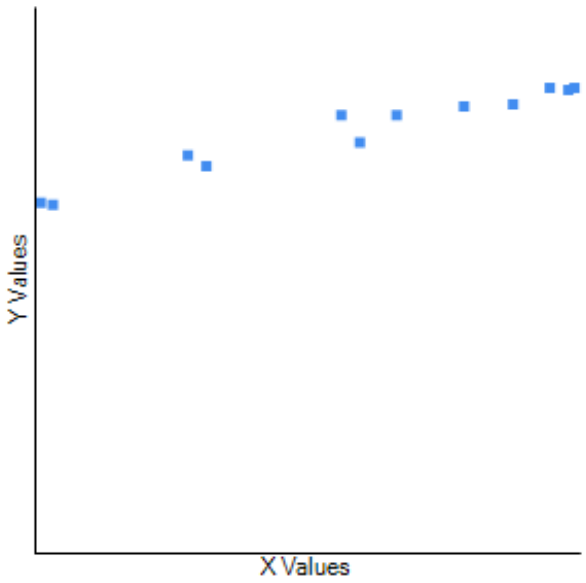


Fig. 44. Correlation between average and maximum temperature in Vryheid.

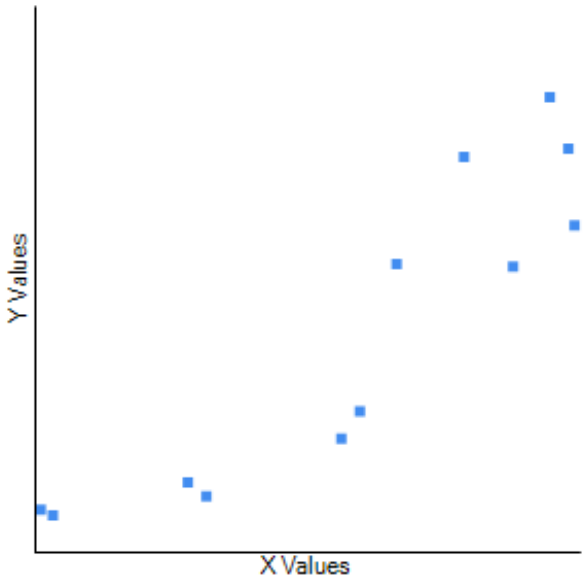


Fig. 45. Correlation between average temperature and precipitation in Vryheid.

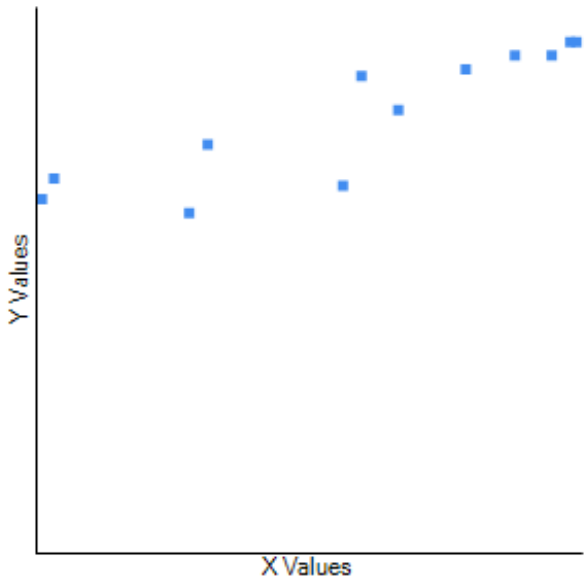


Fig. 46. Correlation between average temperature and humidity in Vryheid.

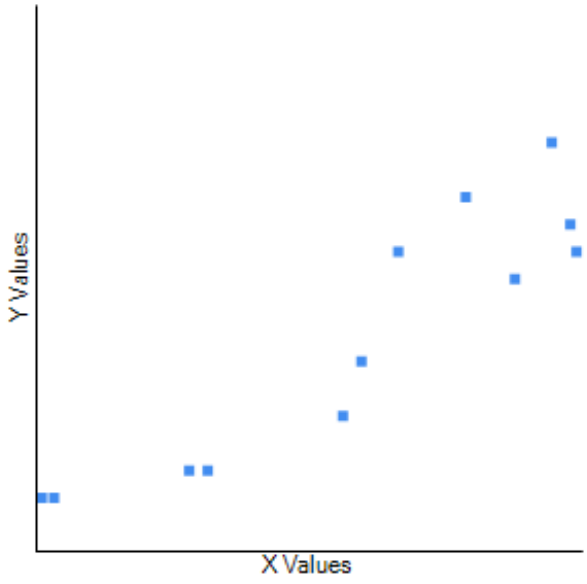


Fig. 47. Correlation between average temperature and rainy days in Vryheid.

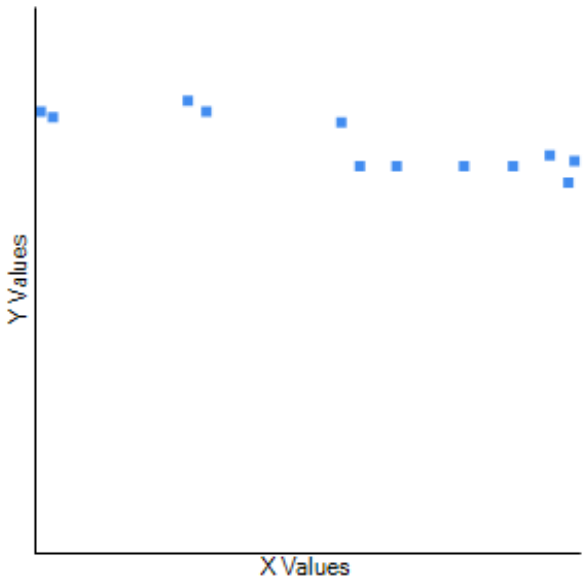


Fig. 48. Correlation between average temperature and average sun hours in Vryheid.

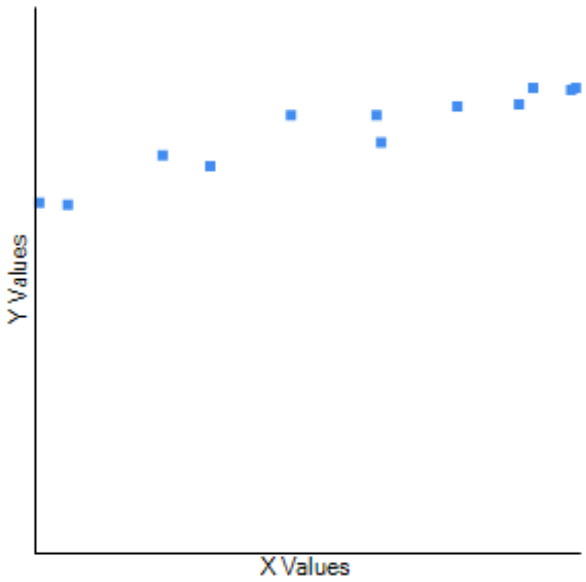


Fig. 49. Correlation between minimum and maximum temperature in Vryheid.

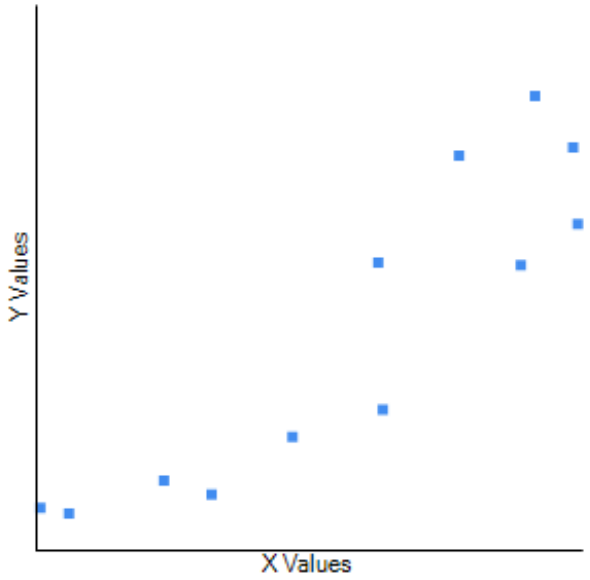


Fig. 50. Correlation between minimum temperature and precipitation in Vryheid.

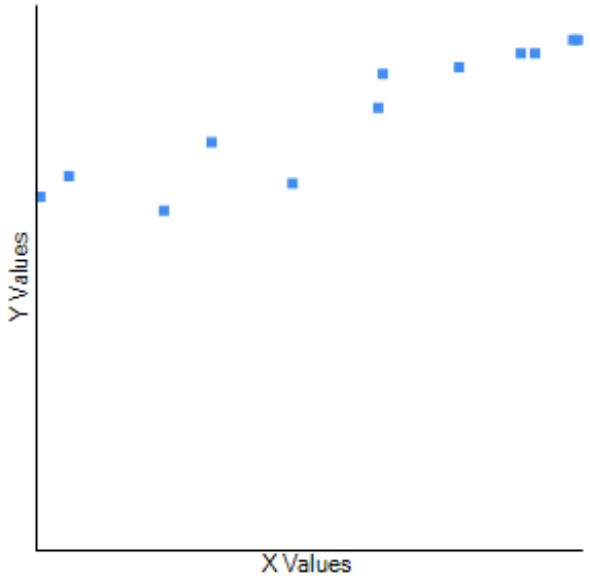


Fig. 51. Correlation between minimum temperature and humidity in Vryheid.

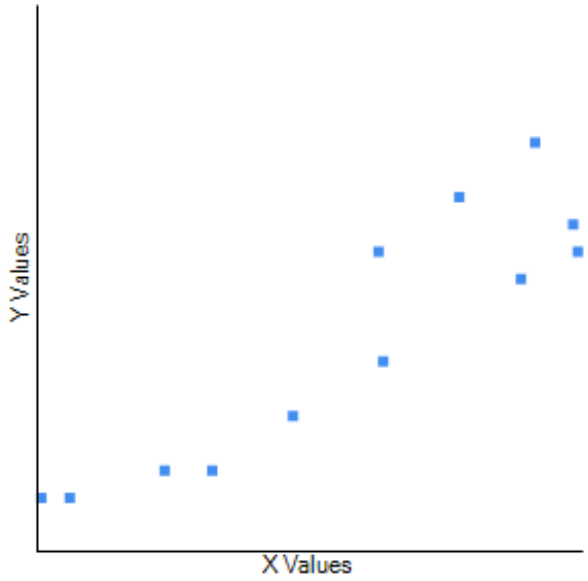


Fig. 52. Correlation between minimum temperature and rainy days in Vryheid.

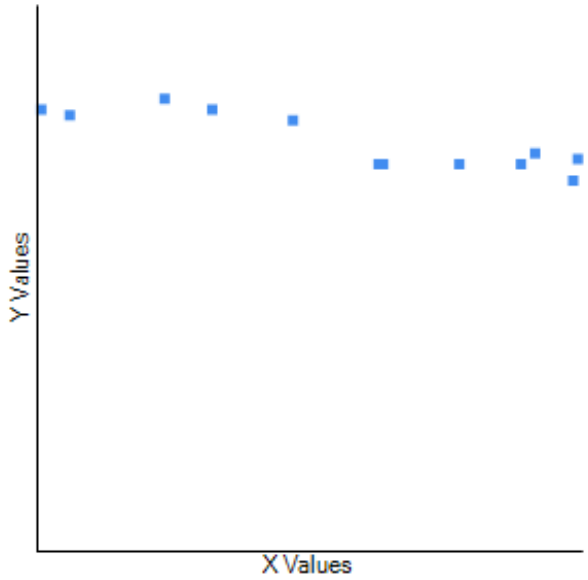


Fig. 53. Correlation between minimum temperature and averrage sun hours in Vryheid.

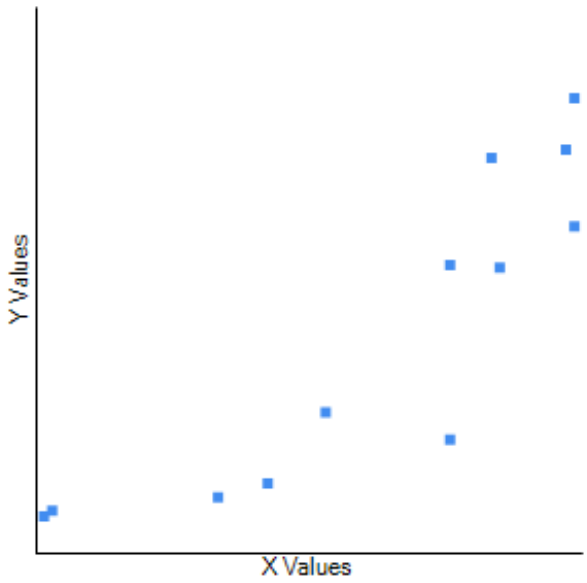


Fig. 54. Correlation between maximum temperature and precipitation in Vryheid.

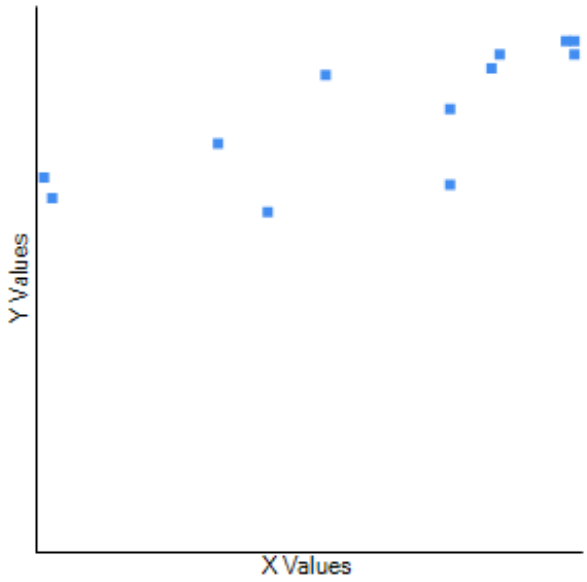


Fig. 55. Correlation between maximum temperature and humidity in Vryheid.

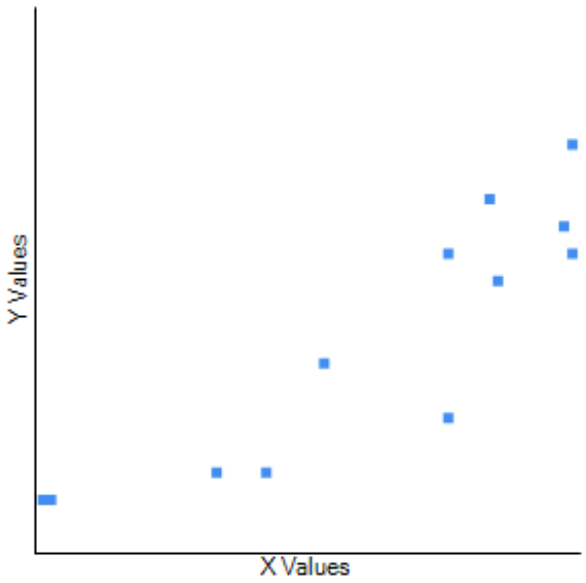


Fig. 56. Correlation between maximum temperature and rainy days in Vryheid.

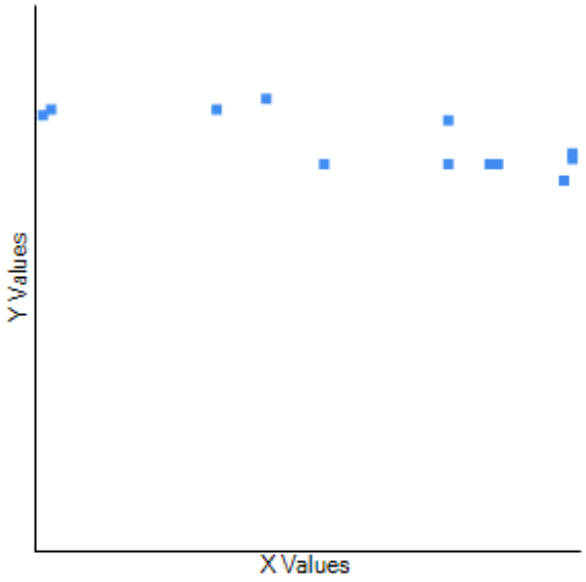


Fig. 57. Correlation between maximum temperature and average sun hours in Vryheid.

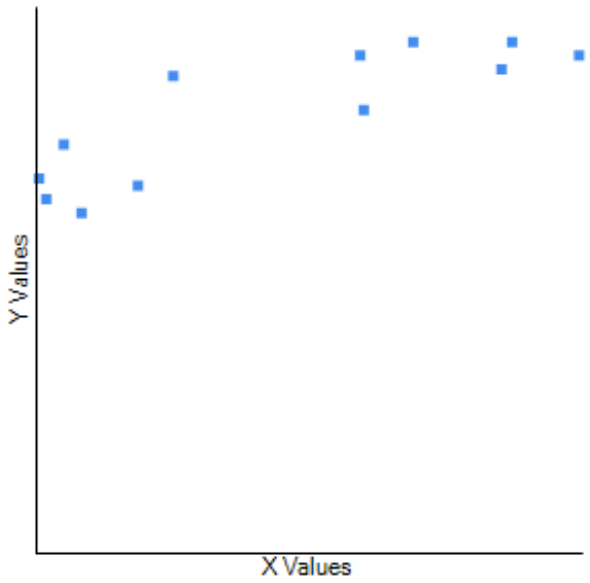


Fig. 58. Correlation between precipitation and relative humidity in Vryheid.

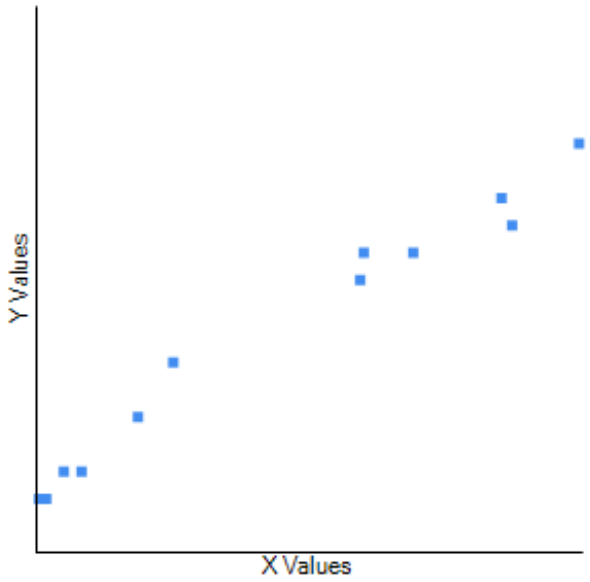


Fig. 59. Correlation between precipitation and rainy days in Vryheid.

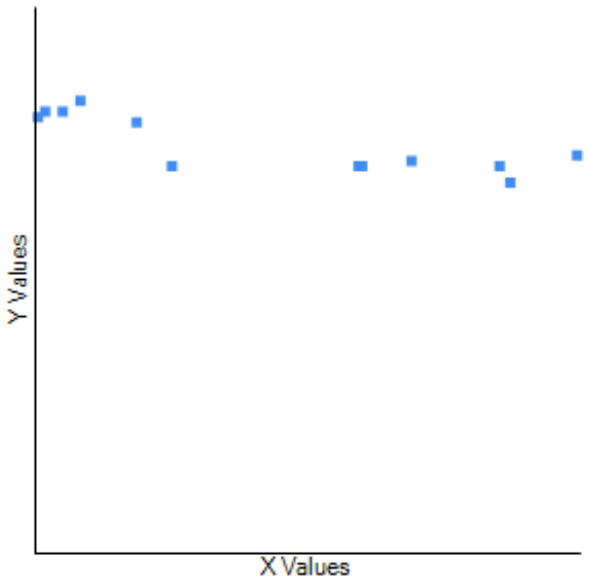


Fig. 60. Correlation between precipitation and average sun hours in Vryheid.

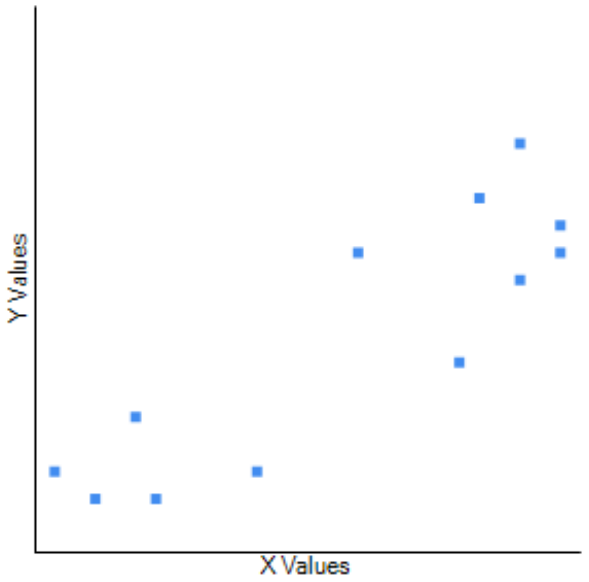


Fig. 61. Correlation between humidity and rainy days in Vryheid.

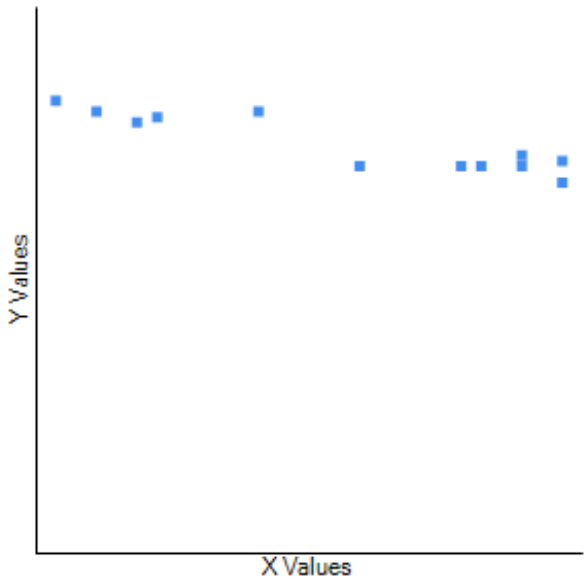


Fig. 62. Correlation between humidity and average sun hours in Vryheid.

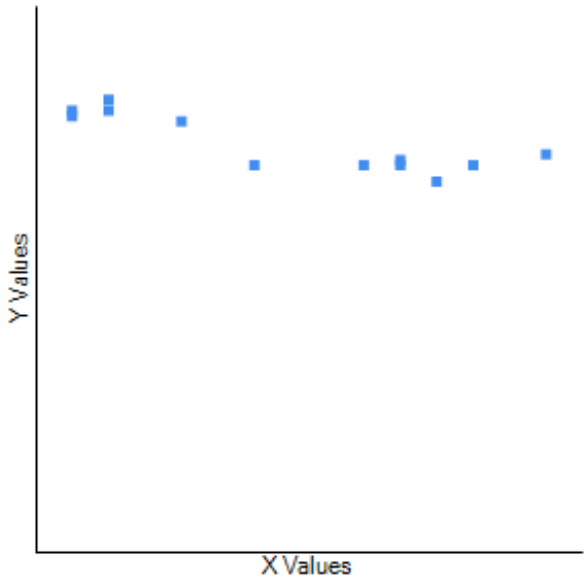


Fig. 63. Correlation between rainy days and average sun hours in Vryheid.

Hout Bay

Average temperature was correlated with minimum temperature (Fig. 64: r=0.9789, r^2=0.9582, n=12, p<0.00001), maximum temperature (Fig. 65: r=0.9985, r^2=0.997, n=12, p<0.00001), precipitation (Fig. 66: r=-0.895, r^2=0.801, n=12, p=0.000084), humidity (Fig. 67: r=0.5814, r^2=0.338, n=12, p=0.047391), rainy days (Fig. 68: r=0.952, r^2=0.9063, n=12, p=0.000026), and average sun hours (Fig. 69: r=-0.826, r^2=0.6823, n=12, p=0.00093). Minimum temperature was correlated with maximum temperature (Fig. 70: r=0.9797, r^2=0.9598, n=12, p<0.00001), precipitation (Fig. 71: r=0.88, r^2=0.7744, n=12, p=0.00016), marginally with humidity (Fig. 72: r=0.5264, r^2=0.2771, n=12, p=0.078719), rainy days (Fig. 73: r=0.9449, r^2=0.8928, n=12, p<0.00001), and average sun hours (Fig. 74: r=-0.7575, r^2=0.5738, n=12, p=0.004322). Maximum temperature was correlated with precipitation (Fig. 75:r=0.8951, r^2=0.8012, n=12, p=0.000084) and humidity (Fig. 76: r=0.5831, r^2=0.34, n=12, p=0.046592), rainy days (Fig. 77: r=0.9591, r^2=0.9199, n=12, p=0.000103), and average sun hours (Fig. 78: r=-0.8221, r^2=0.6758, n=12, p=0.001032). Precipitation was correlated with humidity (Fig. 79: r=0.7659, r^2=0.5866, n=12, p=0.00368), rainy days (Fig. 80: r=0.9524, r^2=0.9071, n=12, p<0.00001), and average sun hours (Fig. 81: r=-0.8858, r^2=0.7846, n=12, p=0.000126). Humidity was correlated with rainy days (Fig. 82: r=0.6805, r^2=0.4631, n=12, p=0.014867) and average sun hours (Fig. 83: r=-0.9103, r^2=0.8286, n=12, p=0.000039). Rainy days were correlated to average sun hours (Fig. 84: r=-0.8507, r^2=0.7237, n=12, p=0.000452).

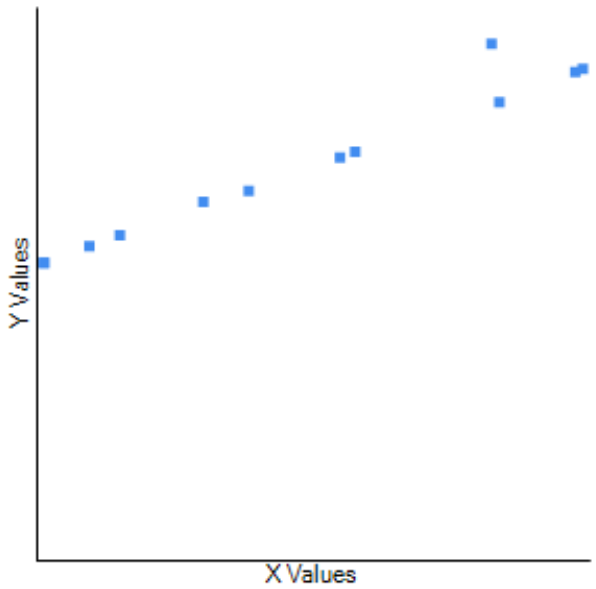


Fig. 64. Correlation between average temperature and minimum temperature in Hout Bay.

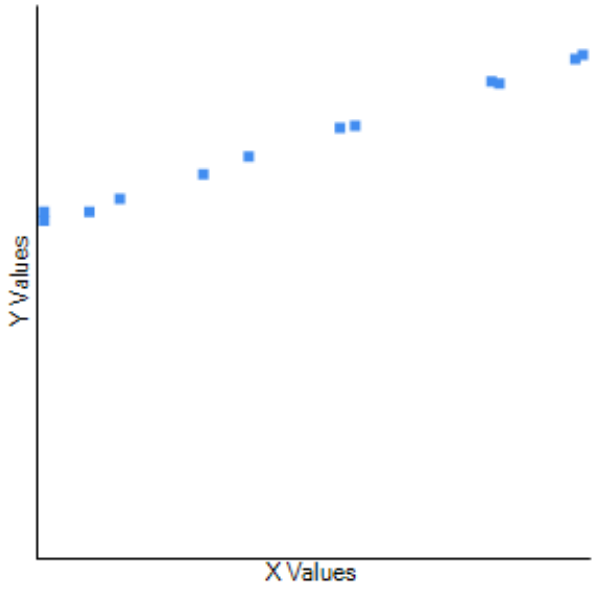


Fig. 65. Correlation between average and maximum temperature in Hout Bay.

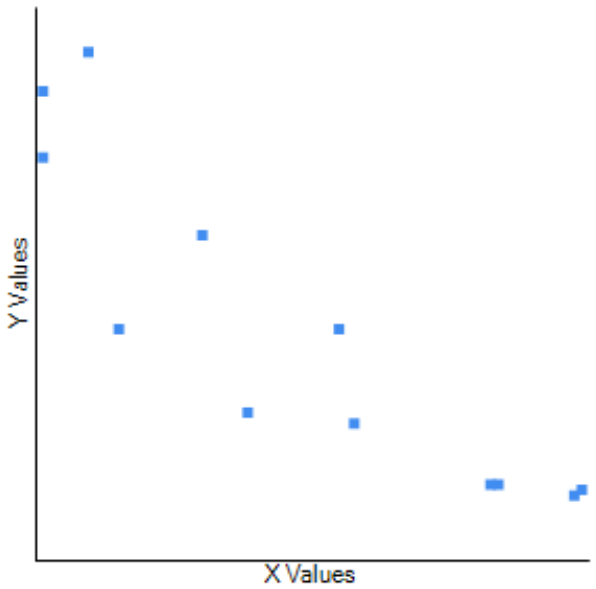


Fig. 66. Correlation between average temperature and precipitation in Hout Bay.

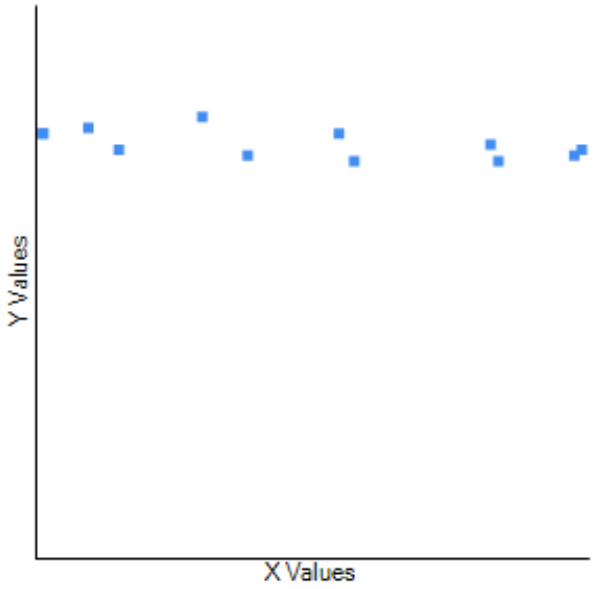


Fig. 67. Correlation between average temperature and humidity in Hout Bay.

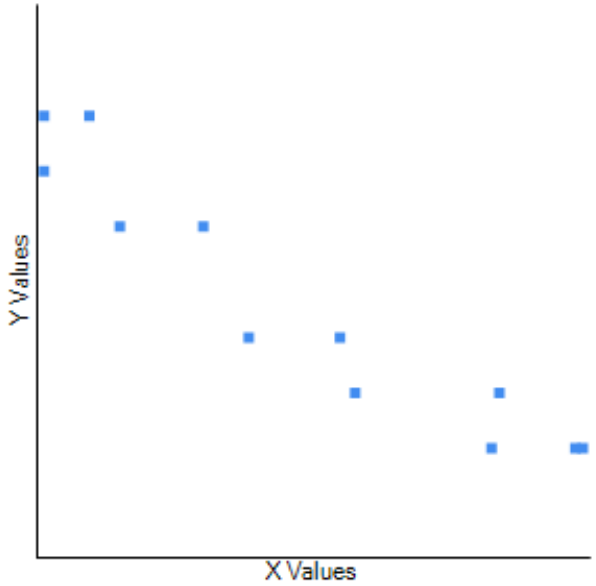


Fig. 68. Correlation between average temperature and rainy days in Hout Bay.

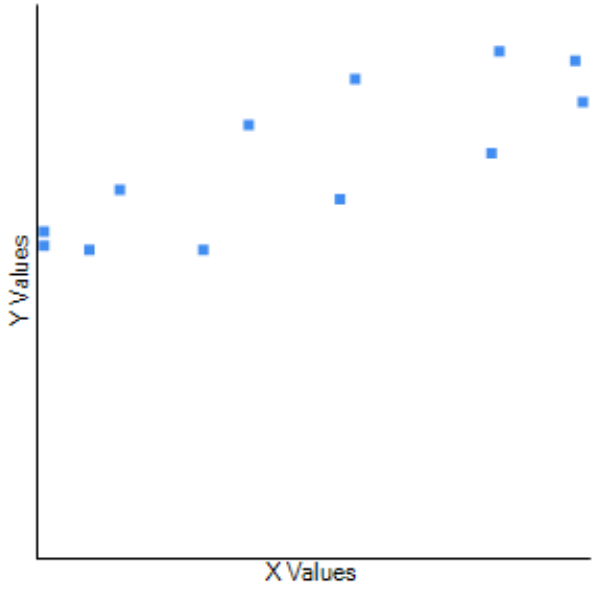


Fig. 69. Correlation between average temperature and average sun hours in Hout Bay.

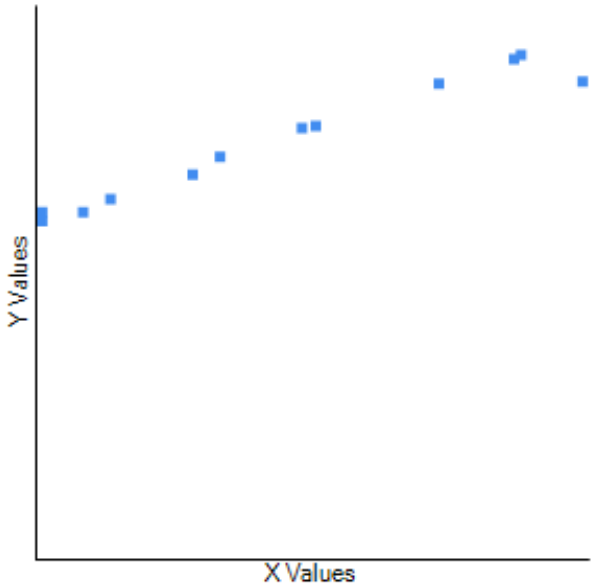


Fig. 70. Correlation between minimum and maximum temperature in Hout Bay.

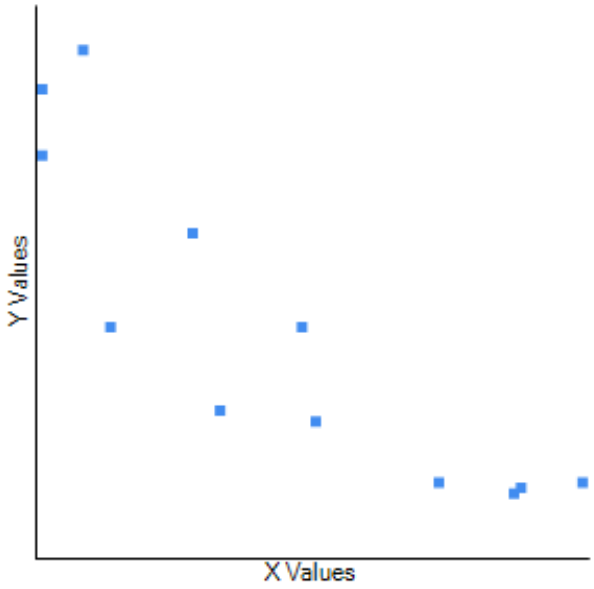


Fig. 71. Correlation between minimum temperature and precipitation in Hout Bay.

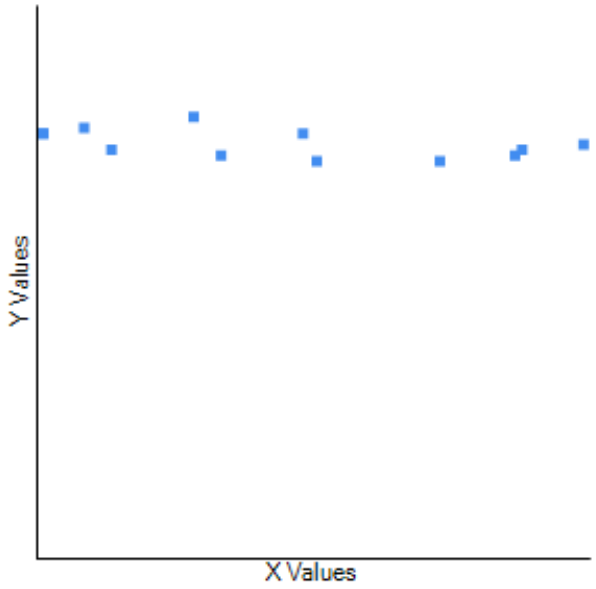


Fig. 72. Correlation between minimum temperature and humidity in Hout Bay.

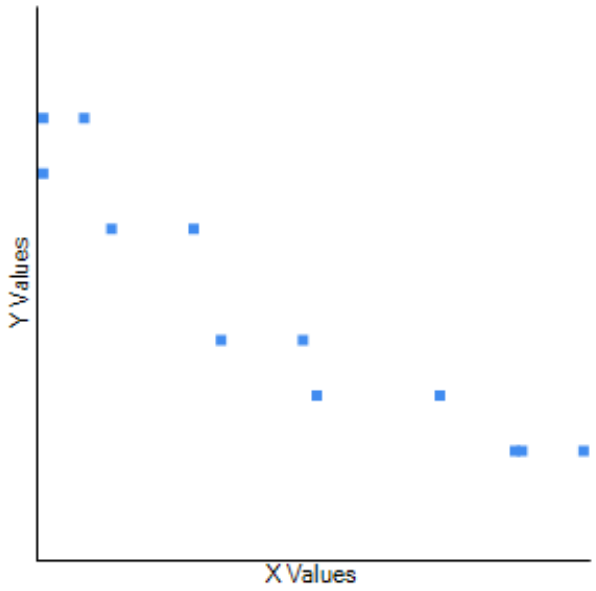


Fig. 73. Correlation between minimum temperature and rainy days in Hout Bay.

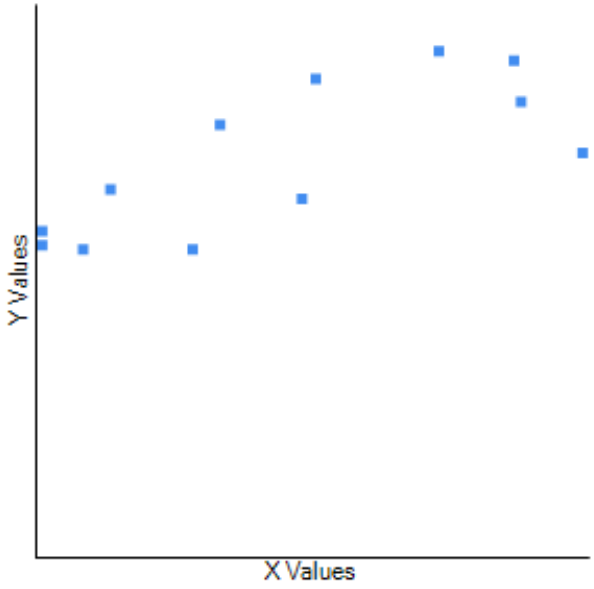


Fig. 74. Correlation between minimum temperature and averrage sun hours in Hout Bay.

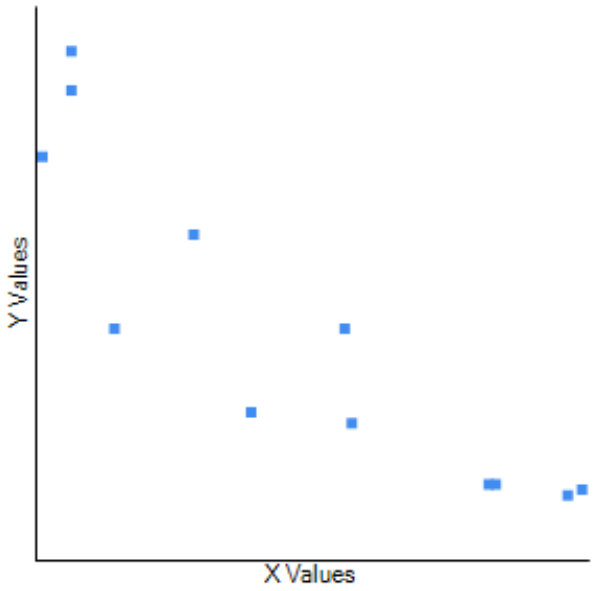


Fig. 75. Correlation between maximum temperature and precipitation in Hout Bay.

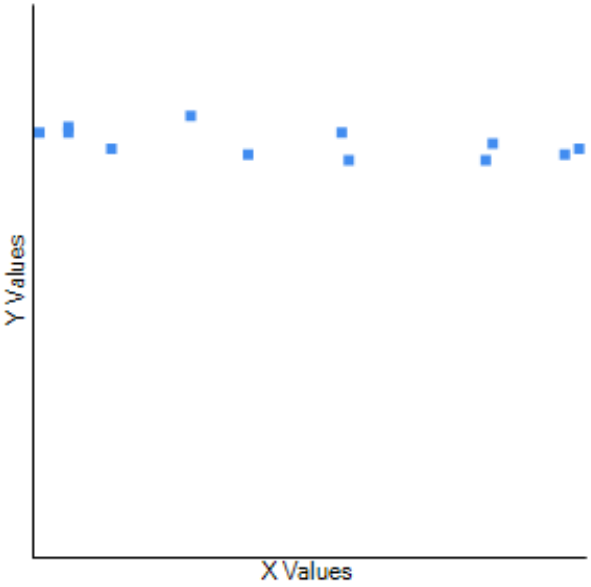


Fig. 76. Correlation between maximum temperature and humidity in Hout Bay.

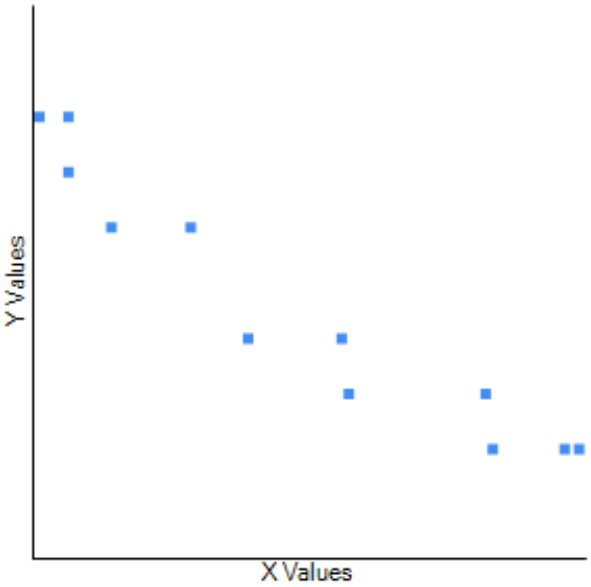


Fig. 77. Correlation between maximum temperature and rainy days in Hout Bay.

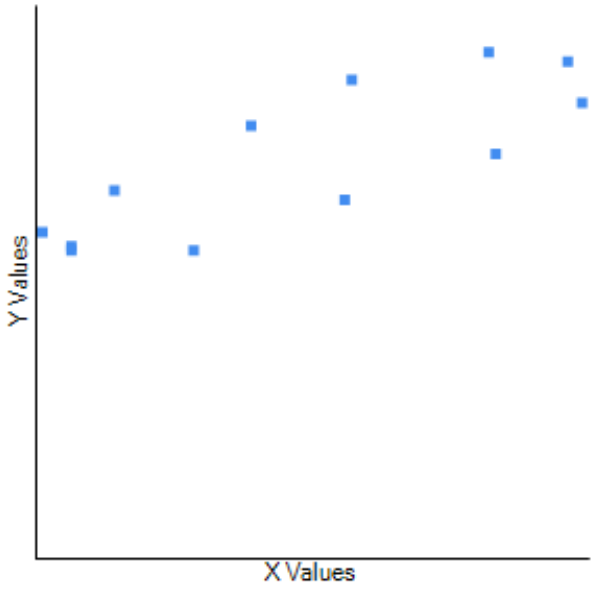


Fig. 78. Correlation between maximum temperature and average sun hours in Hout Bay.

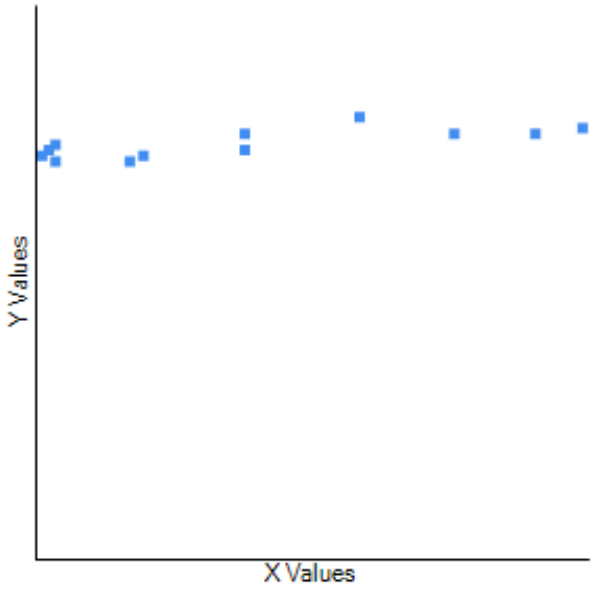


Fig. 79. Correlation between precipitation and relative humidity in Hout Bay.

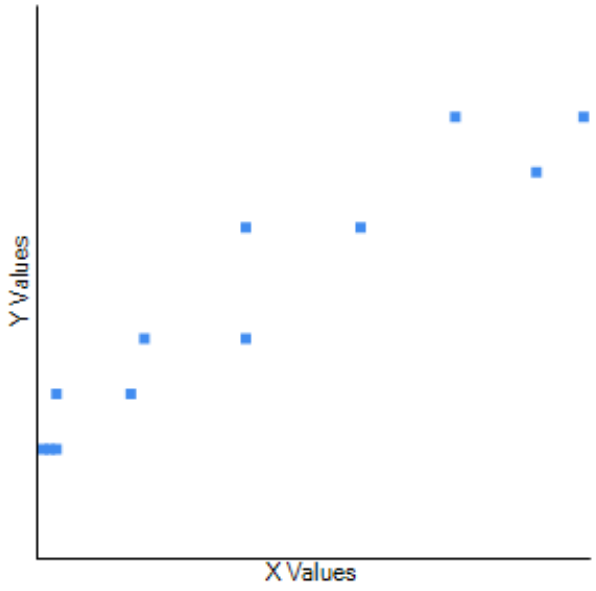


Fig. 80. Correlation between precipitation and rainy days in Hout Bay.

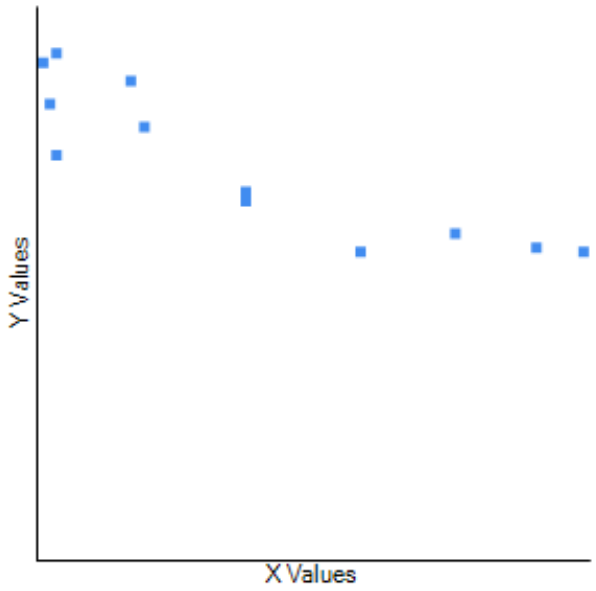


Fig. 81. Correlation between precipitation and average sun hours in Hout Bay.

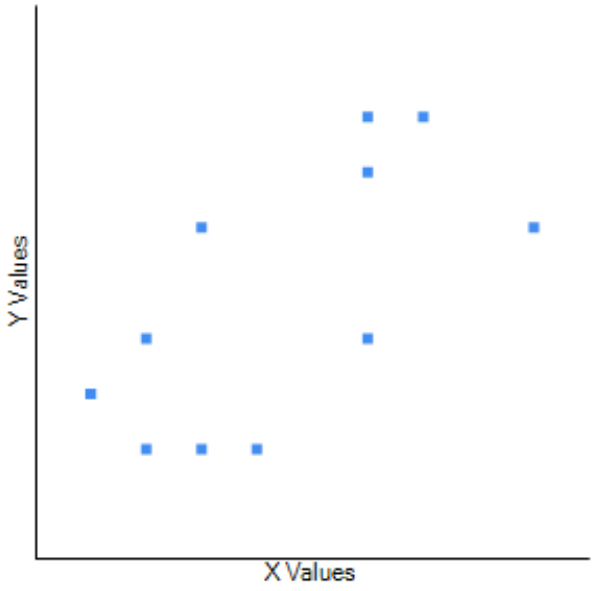


Fig. 82. Correlation between humidity and rainy days in Hout Bay.

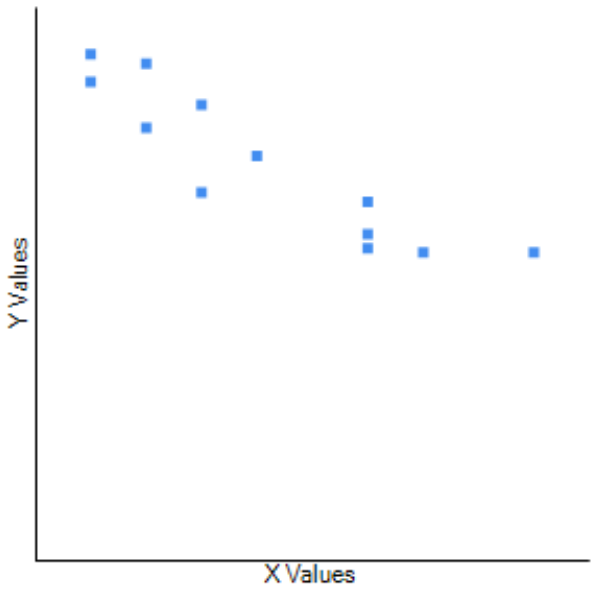


Fig. 83. Correlation between humidity and average sun hours in Hout Bay.

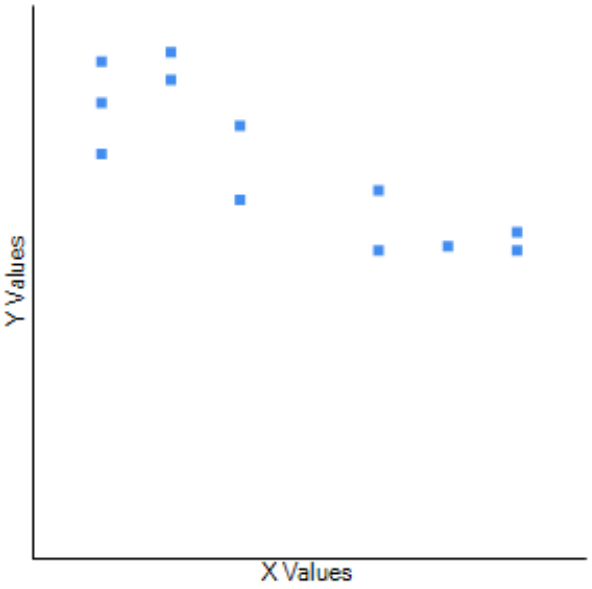


Fig. 84. Correlation between rainy days and average sun hours in Hout Bay.

Gans Bay

Average temperature was correlated with minimum temperature (Fig. 85: r=0.9789, r^2=0.9582, n=12, p<0.00001), maximum temperature (Fig. 86: r=0.9985, r^2=0.997, n=12, p<0.00001), precipitation (Fig. 87: r=-0.895, r^2=0.801, n=12, p=0.000084), humidity (Fig. 88: r=0.5814, r^2=0.338, n=12, p=0.047391), rainy days (Fig. 89: r=0.952, r^2=0.9063, n=12, p=0.000026), and average sun hours (Fig. 90: r=-0.826, r^2=0.6823, n=12, p=0.00093). Minimum temperature was correlated with maximum temperature (Fig. 91: r=0.9797, r^2=0.9598, n=12, p<0.00001), precipitation (Fig. 92: r=0.88, r^2=0.7744, n=12, p=0.00016), marginally with humidity (Fig. 93: r=0.5264, r^2=0.2771, n=12, p=0.078719), rainy days (Fig. 94: r=0.9449, r^2=0.8928, n=12, p<0.00001), and average sun hours (Fig. 95: r=-0.7575, r^2=0.5738, n=12, p=0.004322). Maximum temperature was correlated with precipitation (Fig. 96: r=0.8951, r^2=0.8012, n=12, p=0.000084) and humidity (Fig. 97: r=0.5831, r^2=0.34, n=12, p=0.046592), rainy days (Fig. 98: r=0.9591, r^2=0.9199, n=12, p=0.000103), and average sun hours (Fig. 99: r=-0.8221, r^2=0.6758, n=12, p=0.001032). Precipitation was correlated with humidity (Fig. 100: r=0.7659, r^2=0.5866, n=12, p=0.00368), rainy days (Fig. 101: r=0.9524, r^2=0.9071, n=12, p<0.00001), and average sun hours (Fig. 102: r=-0.8858, r^2=0.7846, n=12, p=0.000126). Humidity was correlated with rainy days (Fig. 103: r=0.6805, r^2=0.4631, n=12, p=0.014867) and average sun hours (Fig. 104: r=-0.9103, r^2=0.8286, n=12, p=0.000039). Rainy days were correlated to average sun hours (Fig. 105: r=-0.8507, r^2=0.7237, n=12, p=0.000452).

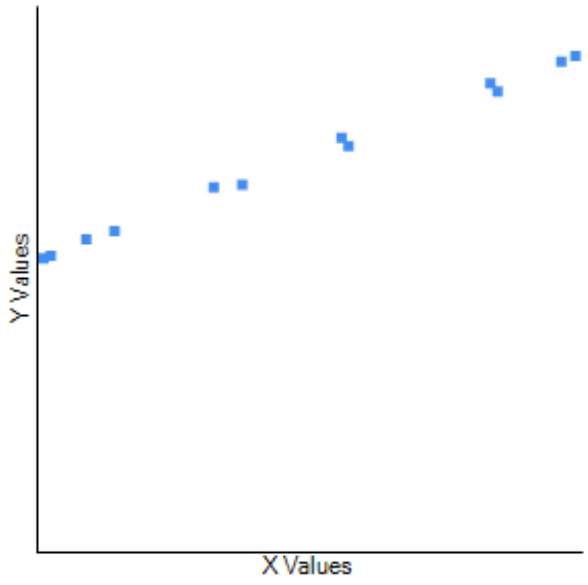


Fig. 85. Correlation between average temperature and minimum temperature in Gans Bay.

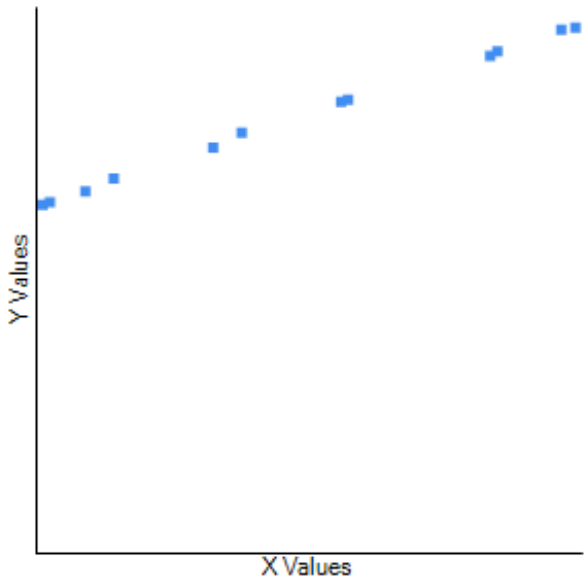


Fig. 86. Correlation between average and maximum temperature in Gans Bay.

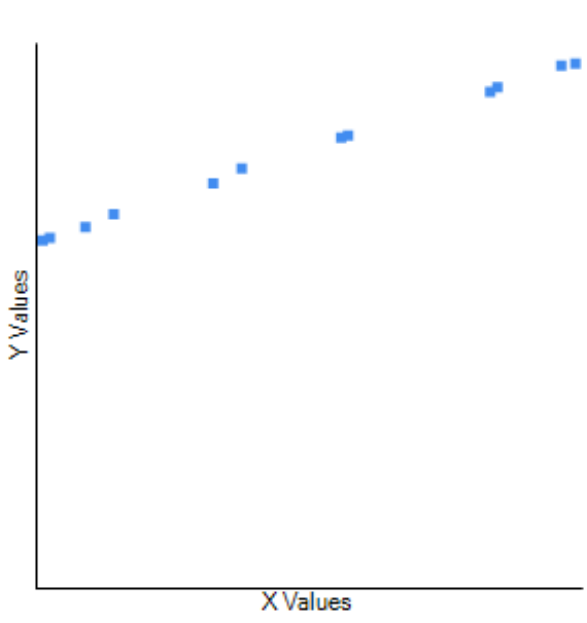


Fig. 87. Correlation between average temperature and precipitation in Gans Bay.

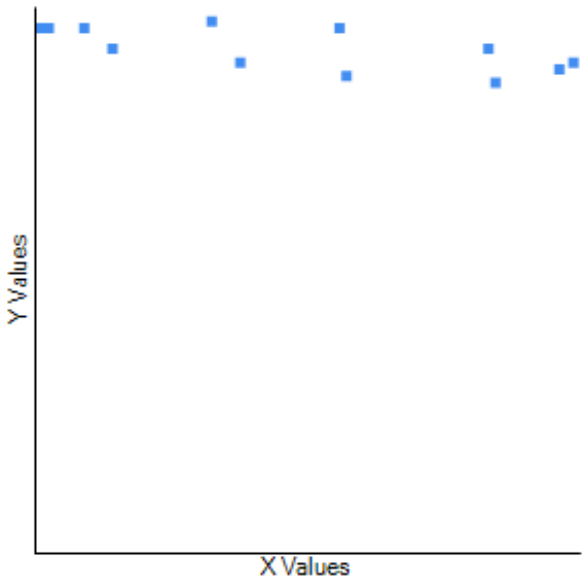


Fig. 88. Correlation between average temperature and humidity in Gans Bay.

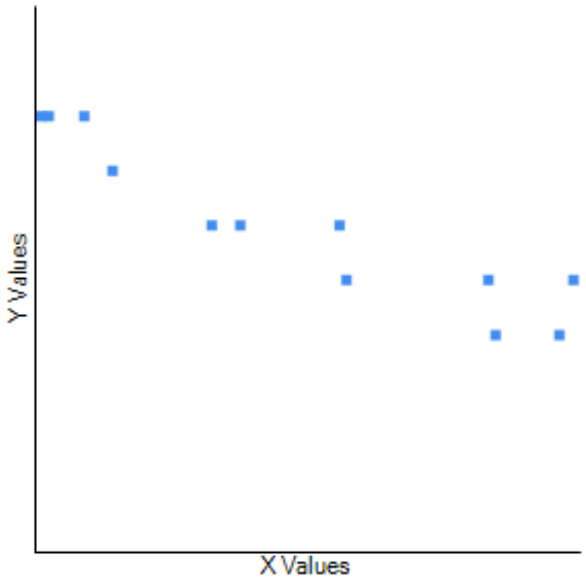


Fig. 89. Correlation between average temperature and rainy days in Gans Bay.

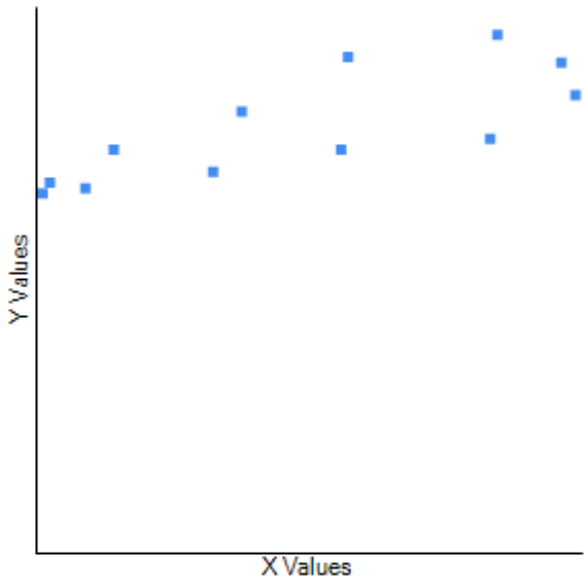


Fig. 90. Correlation between average temperature and average sun hours in Gans Bay.

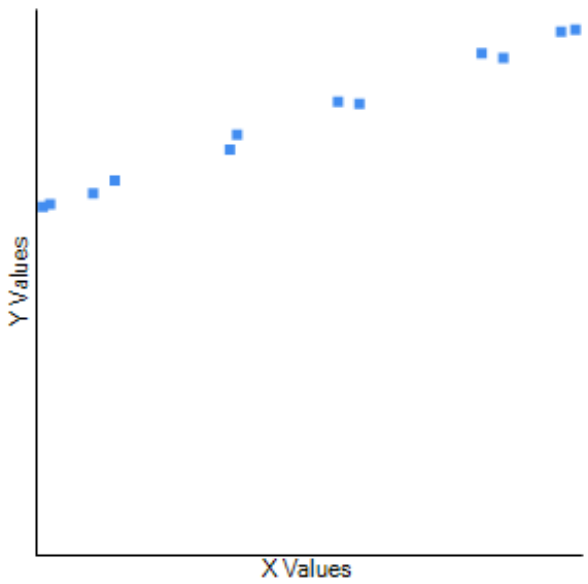


Fig. 91. Correlation between minimum and maximum temperature in Gans Bay.

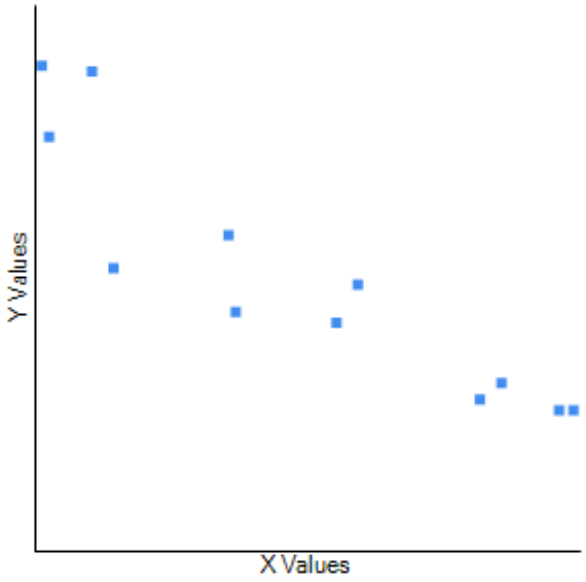


Fig. 92. Correlation between minimum temperature and precipitation in Gans Bay.

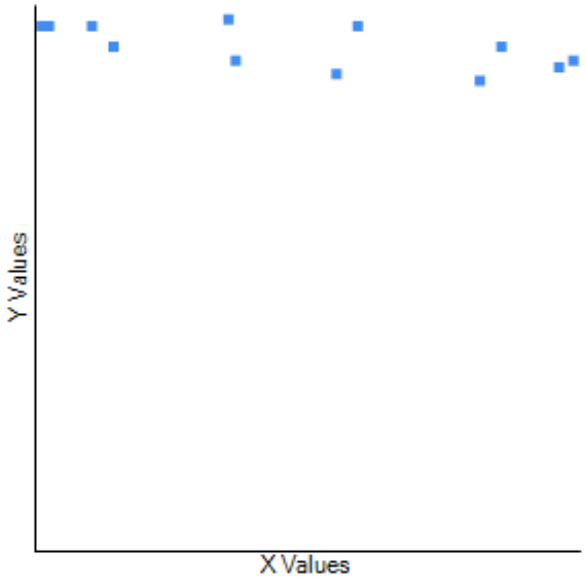


Fig. 93. Correlation between minimum temperature and humidity in Gans Bay.

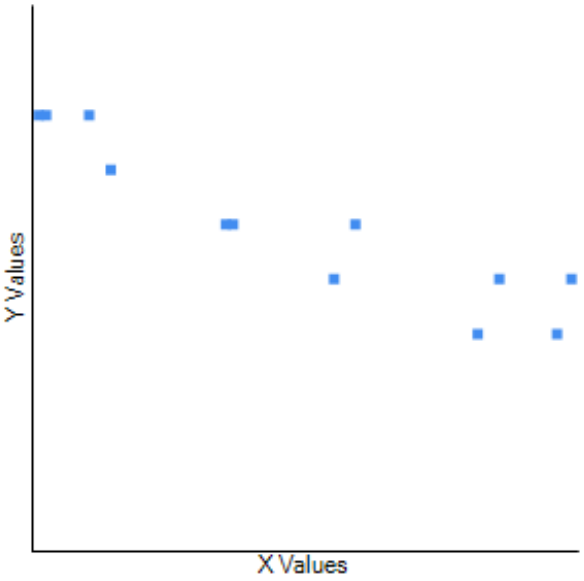


Fig. 94. Correlation between minimum temperature and rainy days in Gans Bay.

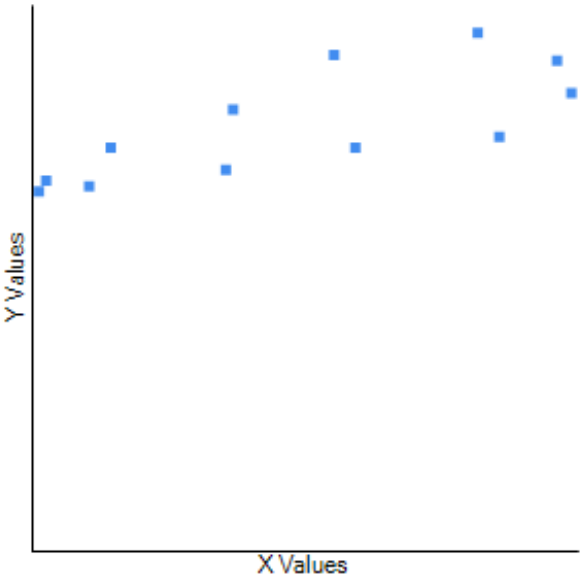


Fig. 95. Correlation between minimum temperature and averrage sun hours in Gans Bay.

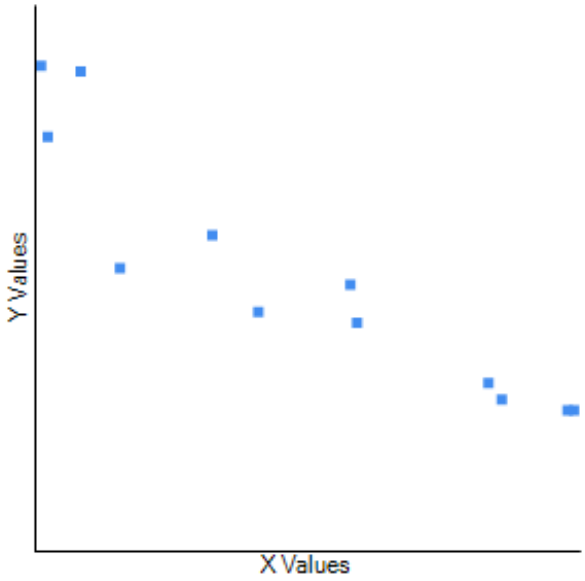


Fig. 96. Correlation between maximum temperature and precipitation in Gans Bay.

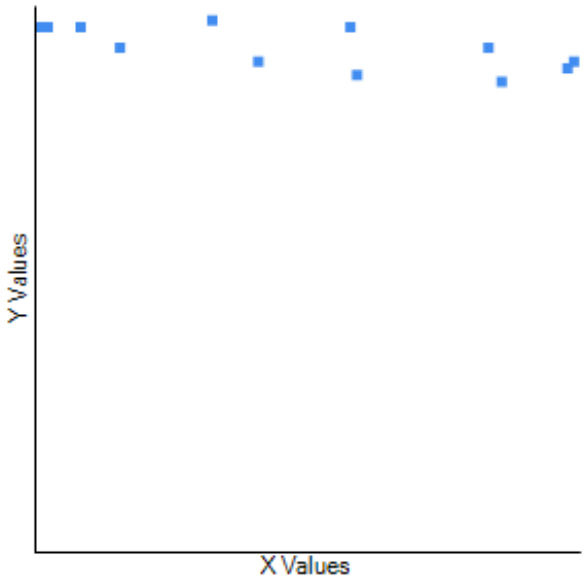


Fig. 97. Correlation between maximum temperature and humidity in Gans Bay.

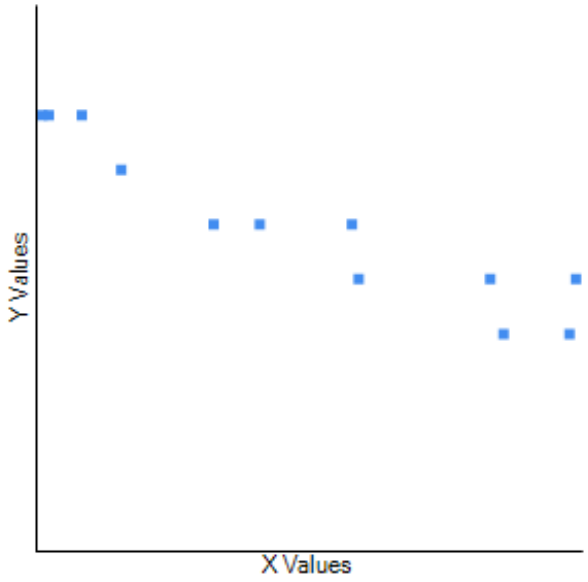


Fig. 98. Correlation between maximum temperature and rainy days in Gans Bay.

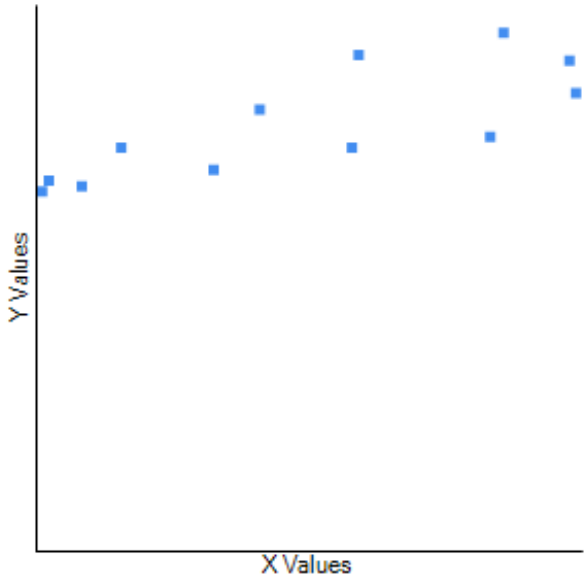


Fig. 99. Correlation between maximum temperature and average sun hours in Gans Bay.

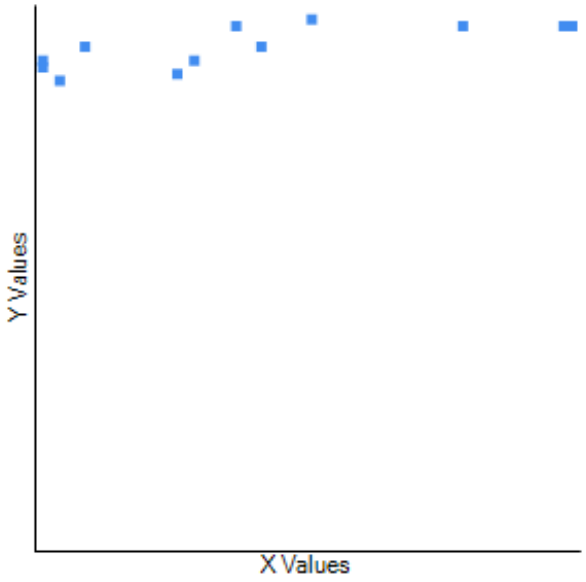


Fig. 100. Correlation between precipitation and relative humidity in Gans Bay.

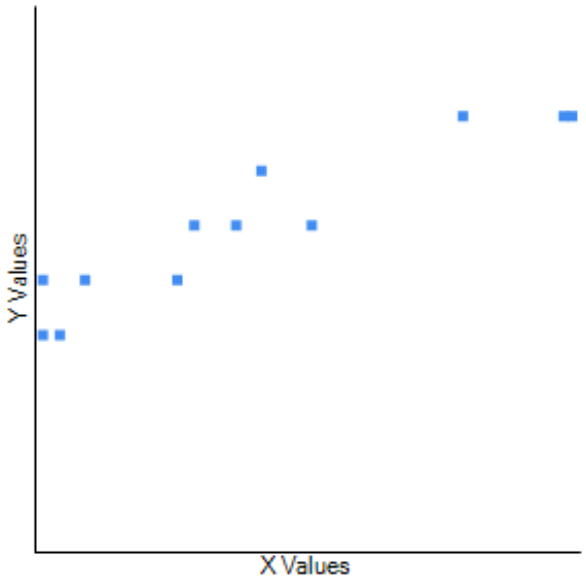


Fig. 101. Correlation between precipitation and rainy days in Gans Bay.

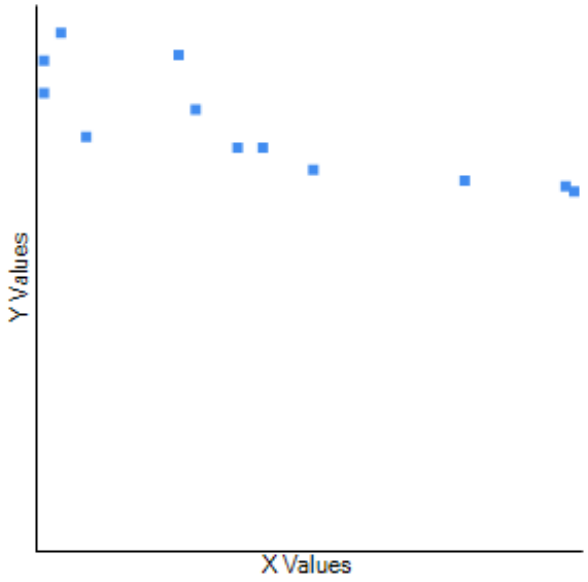


Fig. 102. Correlation between precipitation and average sun hours in Gans Bay.

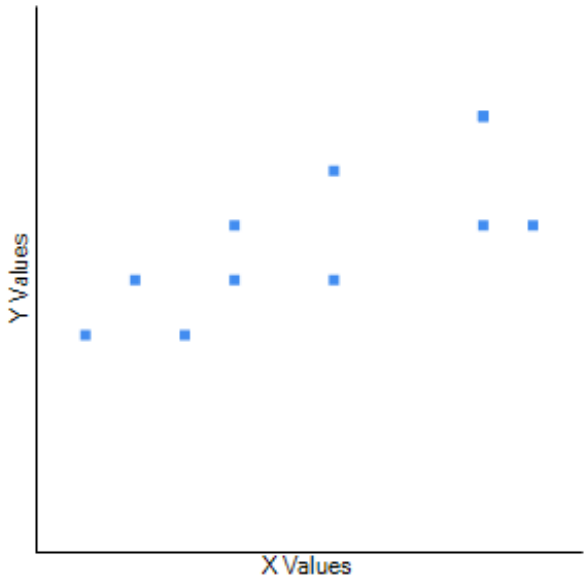


Fig. 103. Correlation between humidity and rainy days in Gans Bay.

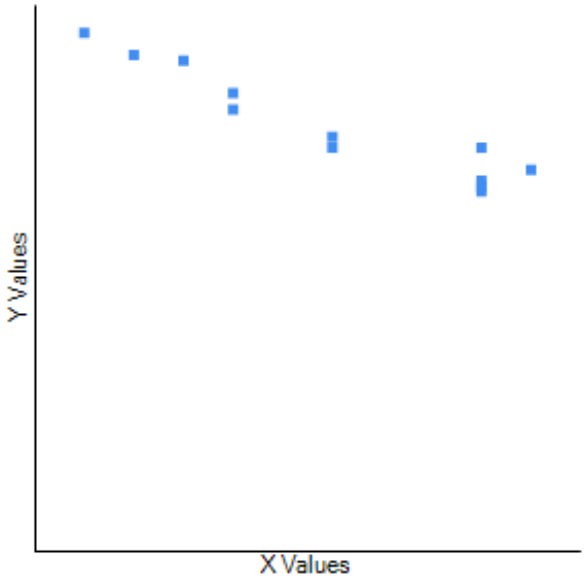


Fig. 104. Correlation between humidity and average sun hours in Gans Bay.

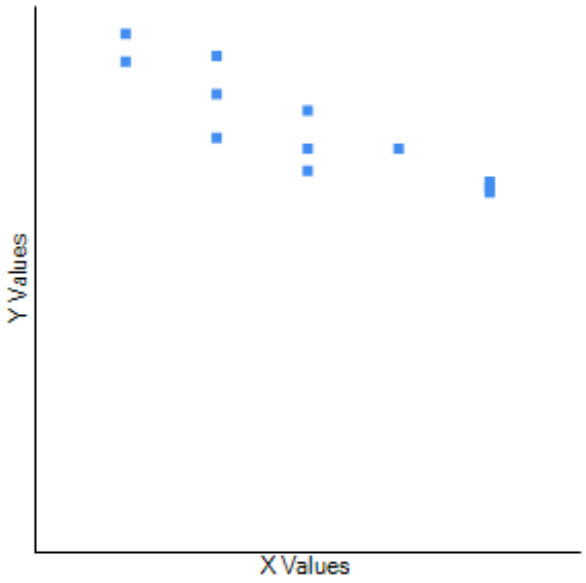


Fig. 105. Correlation between rainy days and average sun hours in Gans Bay.

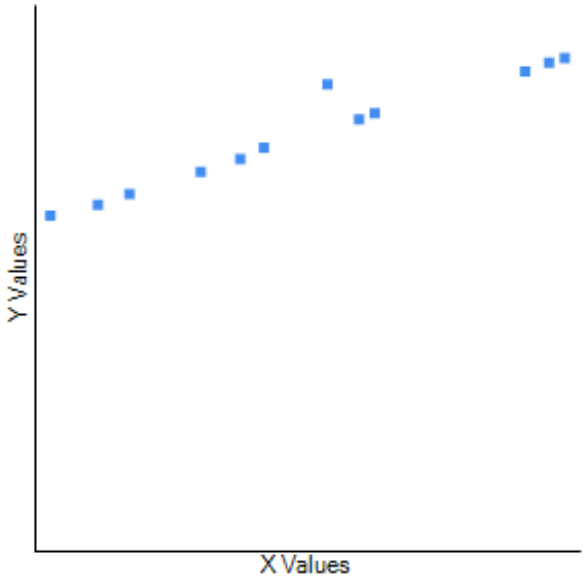


Fig. 106. Correlation between average temperature and minimum temperature in Richards Bay.

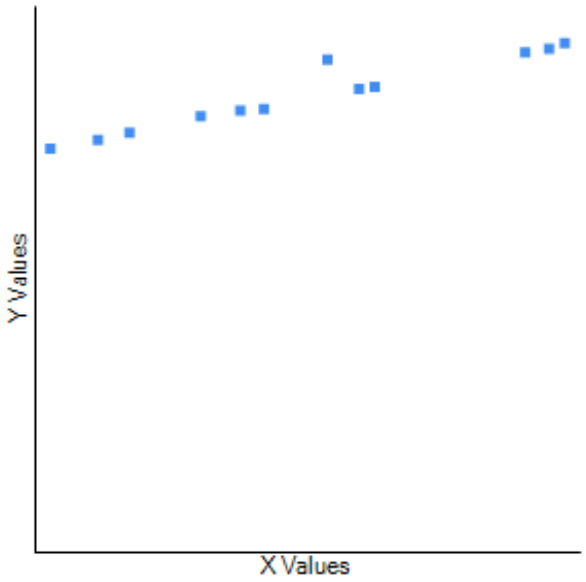


Fig. 107. Correlation between average and maximum temperature in Richards Bay.

Richards Bay

Average temperature was correlated with minimum temperature (Fig. 106: $r=0.971$, $r^2=0.9428$, $n=12$, $p<0.00001$), maximum temperature (Fig. 107: $r=0.9631$, $r^2=0.9291$, $n=12$, $p<0.00001$), precipitation (Fig. 108: $r=-0.9104$, $r^2=0.8288$, $n=12$, $p=0.000039$), humidity (Fig. 109: $r=0.9415$, $r^2=0.8864$, $n=12$, $p=0.013889$), rainy days (Fig. 110: $r=0.8188$, $r^2=0.6704$, $n=12$, $p=0.001125$), but not average sun hours ($r=0.1627$, $r^2=0.0265$, $n=12$, $p=0.613405$). Minimum temperature was correlated with maximum temperature (Fig. 111: $r=0.9966$, $r^2=0.9932$, $n=12$, $p<0.00001$), precipitation (Fig. 112: $r=0.938$, $r^2=0.8798$, $n=12$, $p=0.000033$), marginally with humidity (Fig. 113: $r=0.9532$, $r^2=0.9086$, $n=12$, $p=0.022075$), rainy days (Fig. 114: $r=0.8751$, $r^2=0.7658$, $n=12$, $p=0.000193$), but not average sun hours ($r=0.1334$, $r^2=0.0178$, $n=12$, $p=0.679377$). Maximum temperature was correlated with precipitation (Fig. 115: $r=0.9175$, $r^2=0.8418$, $n=12$, $p=0.000026$), humidity (Fig. 116: $r=0.9341$, $r^2=0.8725$, $n=12$, $p=0.011886$), rainy days (Fig. 117: $r=0.8576$, $r^2=0.7355$, $n=12$, $p=0.000361$), but not average sun hours ($r=0.1784$, $r^2=0.0318$, $n=12$, $p=0.579074$). Precipitation was correlated with humidity (Fig. 118: $r=0.9546$, $r^2=0.9113$, $n=12$, $p=0.003658$), rainy days (Fig. 119: $r=0.8576$, $r^2=0.7355$, $n=12$, $p=0.000361$), but not average sun hours ($r=-0.1784$, $r^2=0.0318$, $n=12$, $p=0.579074$). Humidity was correlated with rainy days (Fig. 120: $r=0.8834$, $r^2=0.7804$, $n=12$, $p=0.000139$) but not average sun hours ($r=0.0235$, $r^2=0.0006$, $n=12$, $p<0.00001$). Rainy days were not correlated to average sun hours ($r=-0.2611$, $r^2=0.0682$, $n=12$, $p=0.412387$).

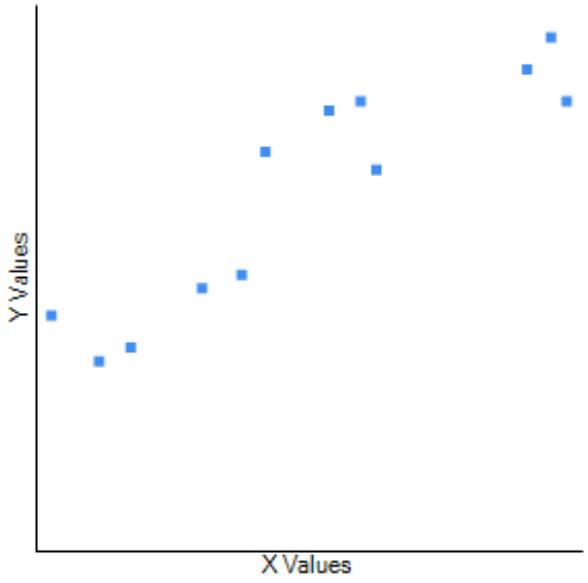


Fig. 108. Correlation between average temperature and precipitation in Richards Bay.

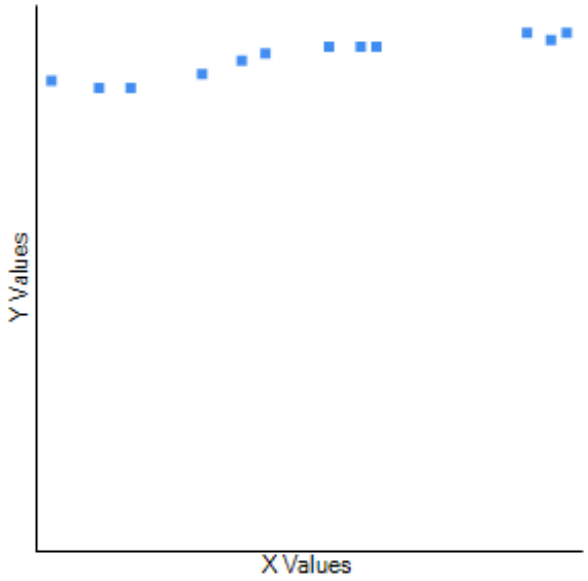


Fig. 109. Correlation between average temperature and humidity in Richards Bay.

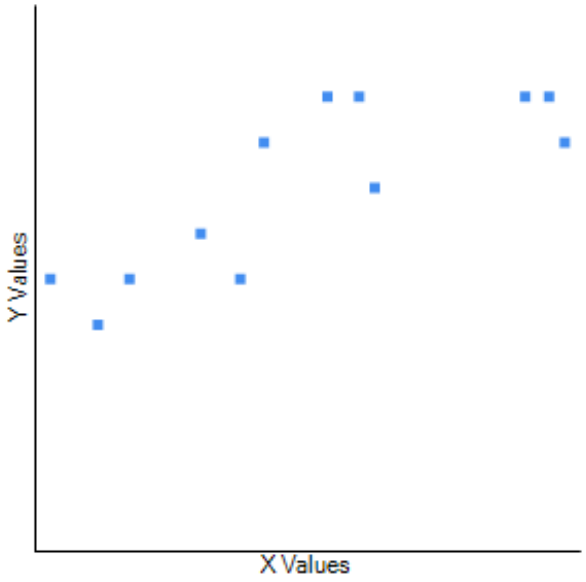


Fig. 110. Correlation between average temperature and rainy days in Richards Bay.

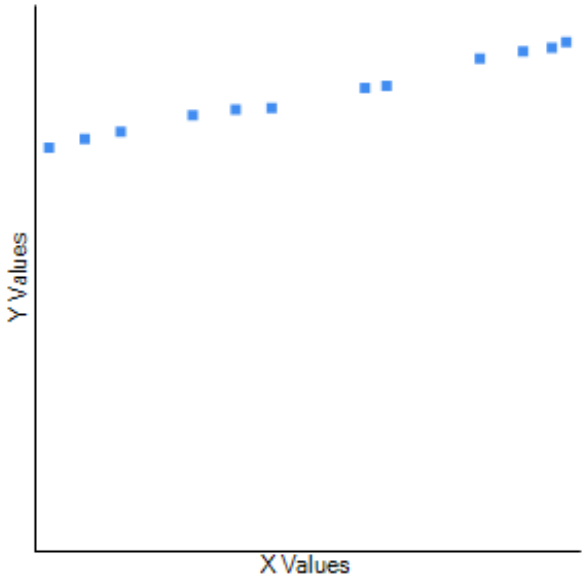


Fig. 111. Correlation between minimum and maximum temperature in Richards Bay.

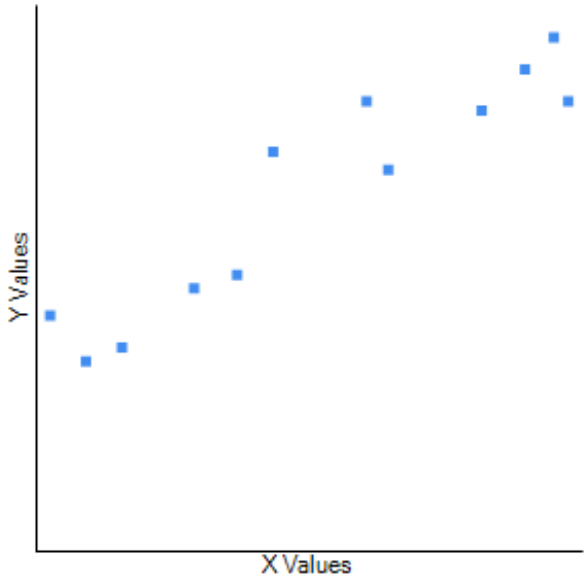


Fig. 112. Correlation between minimum temperature and precipitation in Richards Bay.

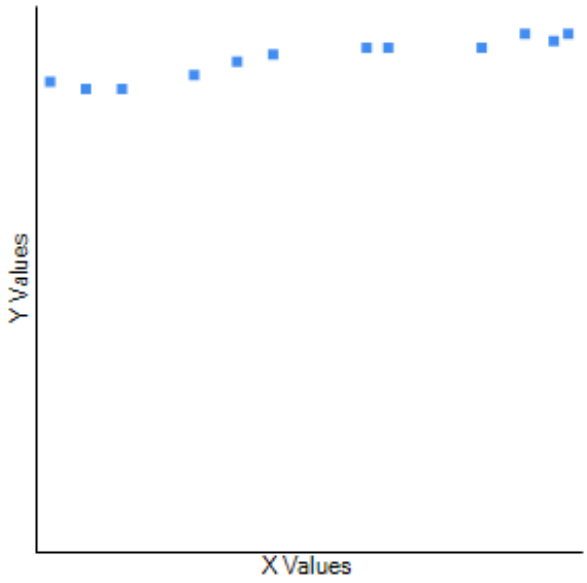


Fig. 113. Correlation between minimum temperature and humidity in Richards Bay.

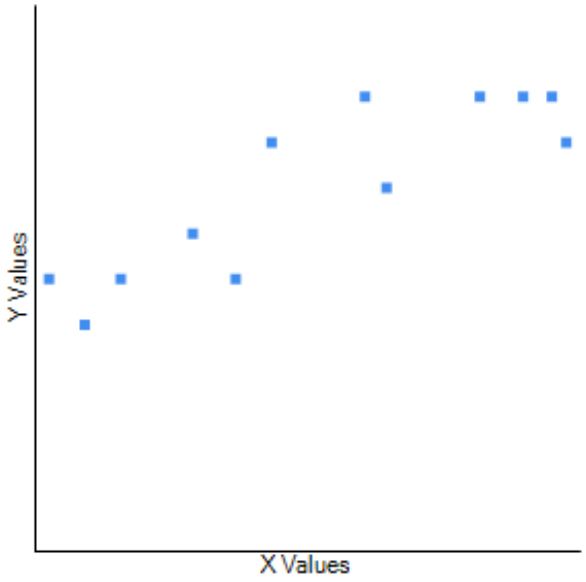


Fig. 114. Correlation between minimum temperature and rainy days in Richards Bay.

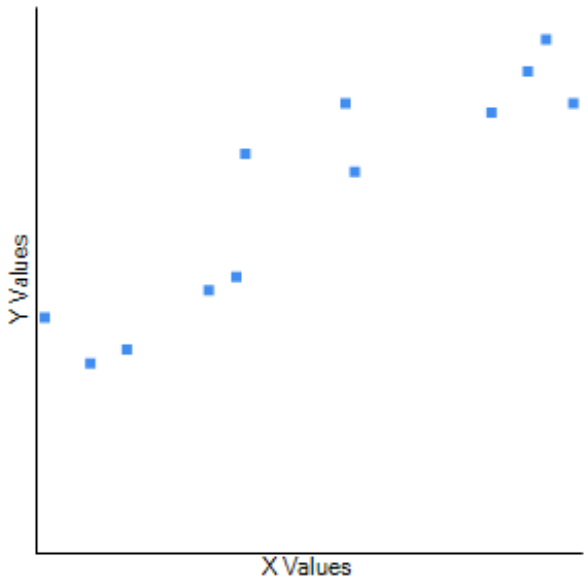


Fig. 115. Correlation between maximum temperature and precipitation in Richards Bay.

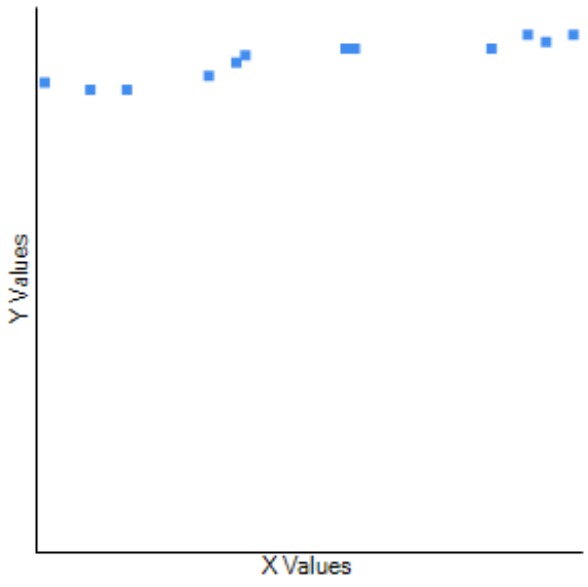


Fig. 116. Correlation between maximum temperature and humidity in Richards Bay.

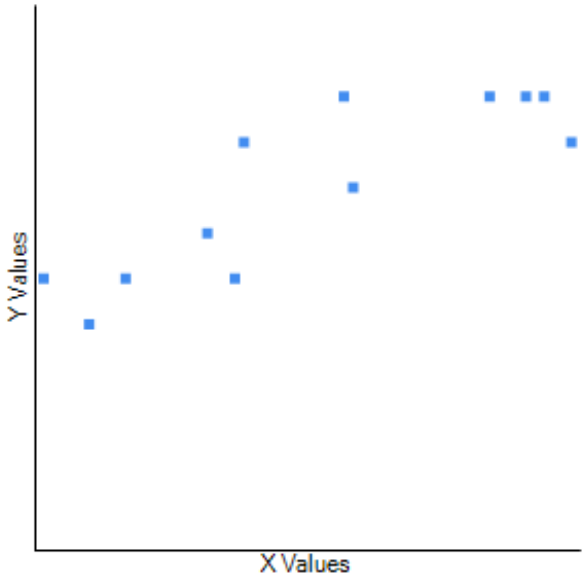


Fig. 117. Correlation between maximum temperature and rainy days in Richards Bay.

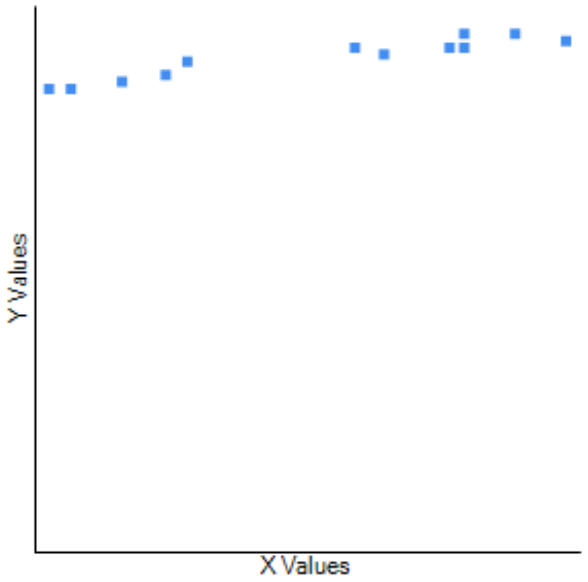


Fig. 118. Correlation between precipitation and relative humidity in Richards Bay.

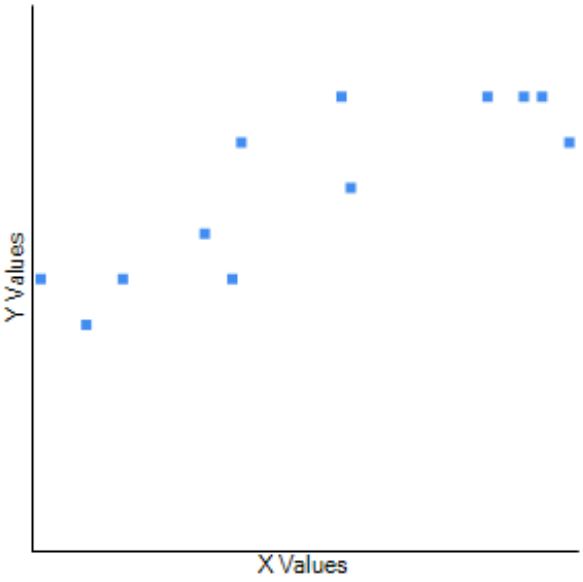


Fig. 119. Correlation between precipitation and rainy days in Richards Bay.

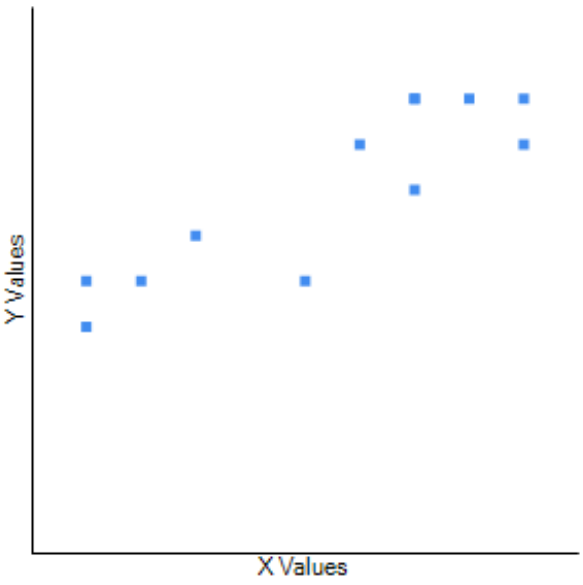


Fig. 120. Correlation between humidity and rainy days in Richards Bay.

Gorongosa

Average temperature was correlated with minimum temperature (Fig. 121: r=0.9392, r^2=0.8821, n=12, p<0.00001), maximum temperature (Fig. 122: r=0.9387, r^2=0.8812, n=12, p<0.00001), precipitation (Fig. 123: r=-0.7693, r^2=0.5918, n=12, p=0.003442), not humidity (r=0.3938, r^2=0.1551, n=12, p=0.205304), rainy days (Fig. 124: r=0.7546, r^2=0.5694, n=12, p=0.004563), but not average sun hours (r=0.1087, r^2=0.0118, n=12, p=0.736666). Minimum temperature was correlated with maximum temperature (Fig. 125: r=0.7636, r^2=0.5831, n=12, p=0.003848), precipitation (Fig. 126: r=0.9009, r^2=0.8116, n=12, p=0.000064), humidity (r=0.6837, r^2=0.4674, n=12, p=0.014223), rainy days (Fig. 127: r=0.921, r^2=0.8482, n=12, p=0.000021), but not average sun hours (r=-0.2075, r^2=0.0531, n=12, p=0.517558). Maximum temperature was marginally correlated with precipitation (Fig. 128: r=0.5476, r^2=0.2999, n=12, p=0.065335), humidity (Fig. 129: r=0.0546, r^2=0.003, n=12, p=0.866165), marginally with rainy days (r=0.5007, r^2=0.2507, n=12, p=0.097311), but not average sun hours (r=0.4079, r^2=0.1664, n=12, p=0.188084). Precipitation was correlated with humidity (Fig. 130: r=0.7618, r^2=0.5803, n=12, p=0.003984), rainy days (Fig. 131: r=0.9621, r^2=0.9256, n=12, p<0.00001), but not average sun hours (r=-0.3009, r^2=0.0905, n=12, p=0.341922). Humidity was correlated with rainy days (Fig. 132: r=0.8568, r^2=0.7341, n=12, p=0.000371) but not average sun hours (r=-0.3009, r^2=0.0905, n=12, p=0.341922). Rainy days were not correlated to average sun hours (r=-0.4782, r^2=0.2287, n=12, p=0.11583).

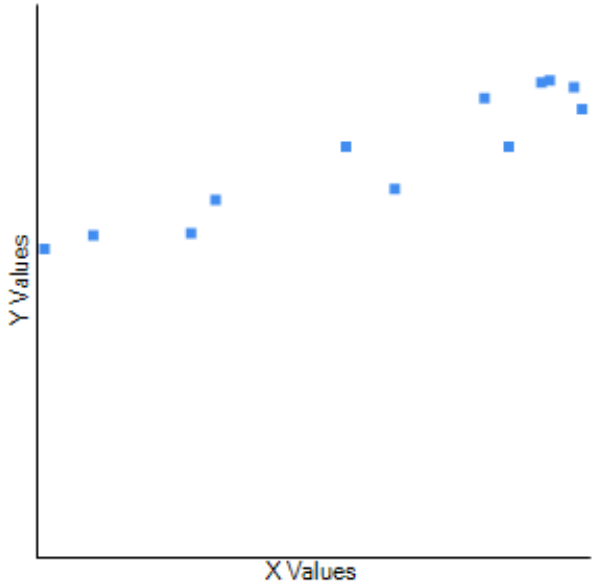


Fig. 121. Correlation between average temperature and minimum temperature in Gorongosa.

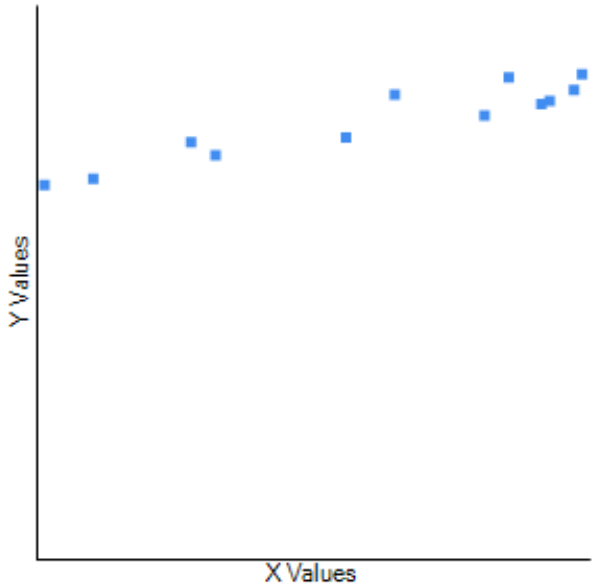


Fig. 122. Correlation between average and maximum temperature in Gorongosa.

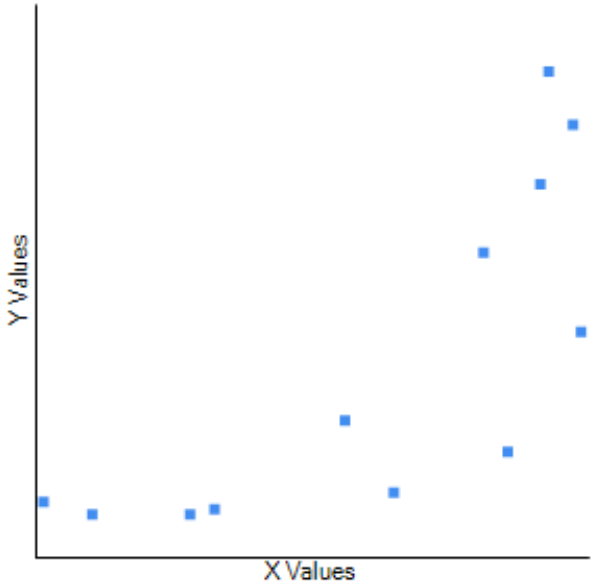


Fig. 123. Correlation between average temperature and precipitation in Gorongosa.

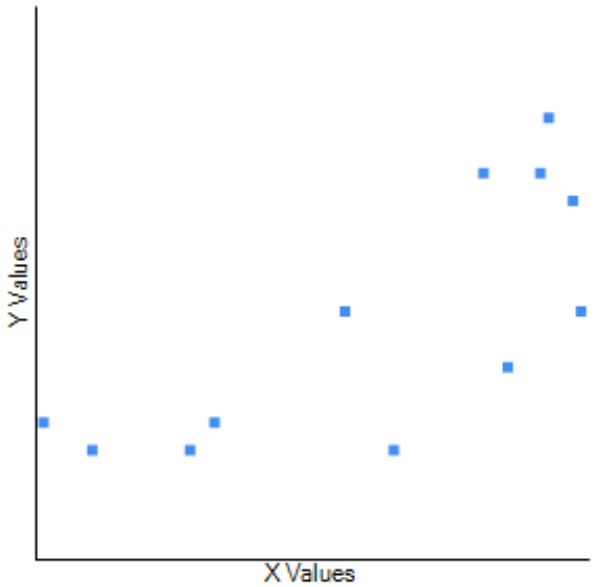


Fig. 124. Correlation between average temperature and rainy days in Gorongosa.

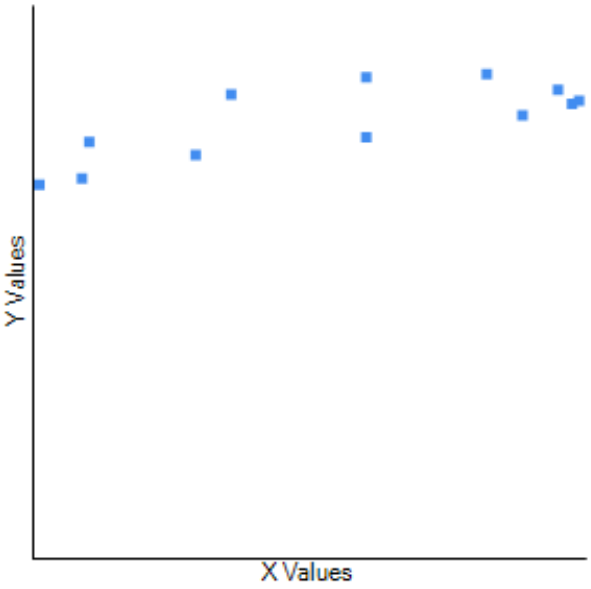
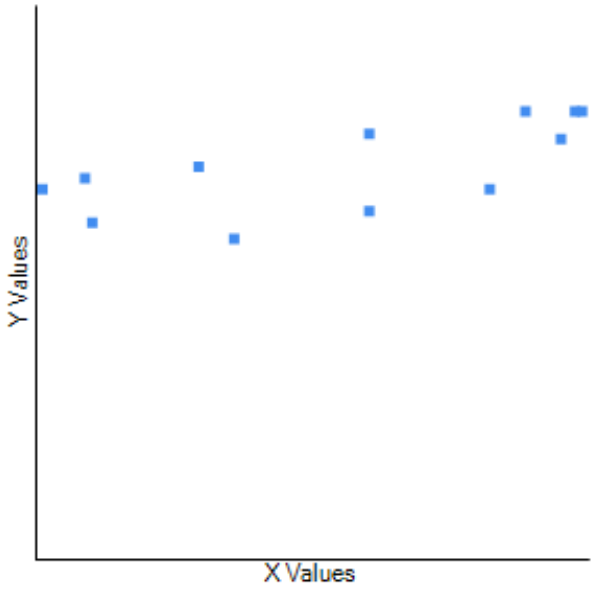


Fig. 125. Correlation between minimum and maximum temperature in Gorongosa.



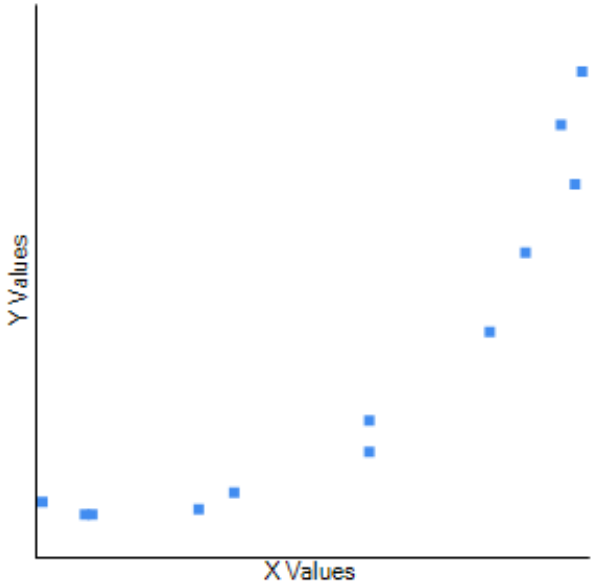


Fig. 126. Correlation between minimum temperature and precipitation in Gorongosa.

Fig. 127. Correlation between minimum temperature and humidity in Gorongosa.

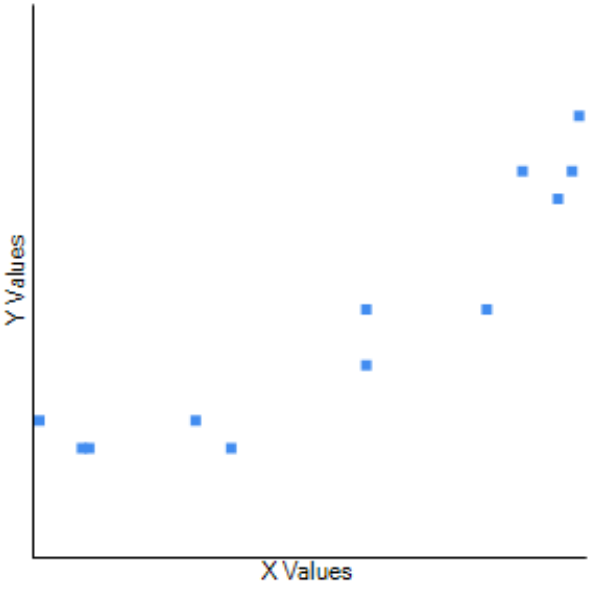


Fig. 128. Correlation between minimum temperature and rainy days in Gorongosa.

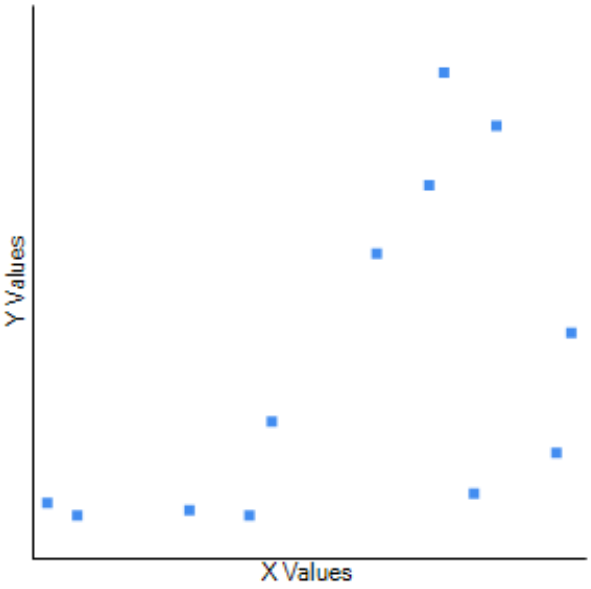


Fig. 129. Correlation between maximum temperature and precipitation in Gorongosa.

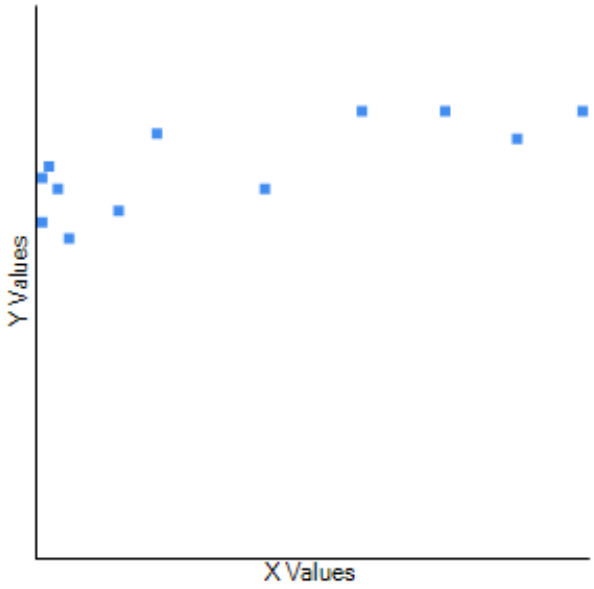


Fig. 130. Correlation between precipitation and relative humidity in Gorongosa.

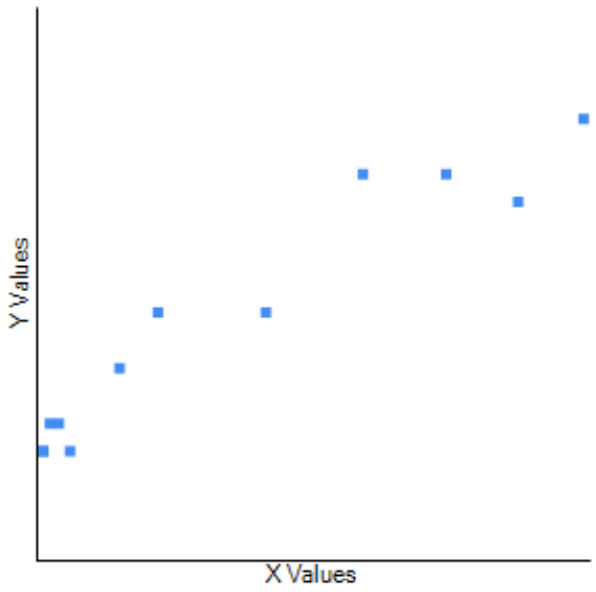


Fig. 131. Correlation between precipitation and rainy days in Gorongosa.

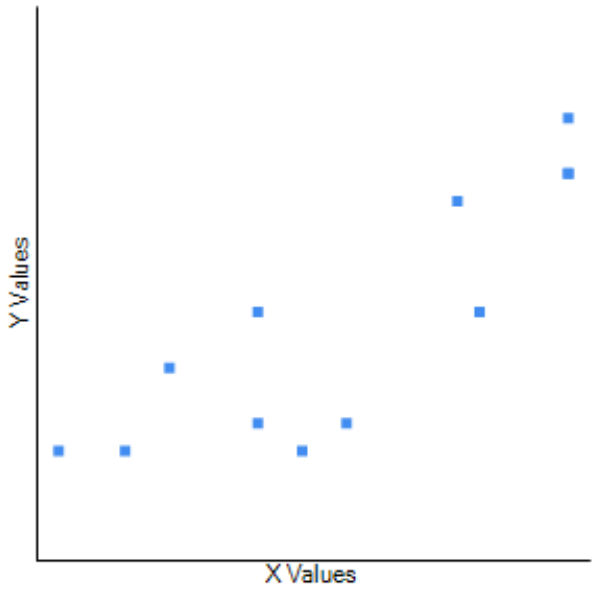


Fig. 132. Correlation between humidity and rainy days in Gorongosa.

Scottburgh

Average temperature was correlated with minimum temperature (Fig. 133: r=0.9985, r^2=0.997, n=12, p<0.00001), maximum temperature (Fig. 134: r=0.9836, r^2=0.9675, n=12, p<0.00001), precipitation (Fig. 135: r=-0.7744, r^2=0.5997, n=12, p=0.003106), humidity (Fig. 136: r=0.9311, r^2=0.8669, n=12, p=0.000011), rainy days (Fig. 137: r=0.8157, r^2=0.6654, n=12, p=0.001218), and average sun hours (Fig. 138: r=-0.5915, r^2=0.3499, n=12, p=0.042785). Minimum temperature was correlated with maximum temperature (Fig. 139: r=0.9733, r^2=0.9473, n=12, p=0.003848), precipitation (Fig. 140: r=0.8041, r^2=0.6466, n=12, p=0.001618), humidity (Fig. 141: r=0.9471, r^2=0.897, n=12, p<0.00001), rainy days (Fig. 142: r=0.8436, r^2=0.7117, n=12, p=0.000563), and average sun hours (Fig. 143: r=-0.628, r^2=0.3944, n=12, p=0.028771). Maximum temperature was correlated with precipitation (Fig. 144: r=0.6557, r^2=0.4299, n=12, p=0.020609), humidity (Fig. 145: r=0.8547, r^2=0.7305, n=12, p=0.000398), rainy days (Fig. 146: r=0.7011, r^2=0.4915, n=12, p=0.011075), but not average sun hours (Fig. 147: r=-0.4415, r^2=0.1949, n=12, p=0.150761). Precipitation was correlated with humidity (Fig. 148: r=0.9339, r^2=0.8722, n=12, p<0.00001), rainy days (Fig. 149: r=0.9667, r^2=0.9345, n=12, p<0.00001), and average sun hours (Fig. 150: r=-0.9226, r^2=0.8512, n=12, p=0.00019). Humidity was correlated with rainy days (Fig. 151: r=0.9462, r^2=0.8953, n=12, p<0.00001) and average sun hours (Fig. 152: r=-0.8111, r^2=0.6579, n=12, p=0.001366). Rainy days were correlated to average sun hours (Fig. 153: r=-0.9296, r^2=0.8642, n=12, p=0.000012).

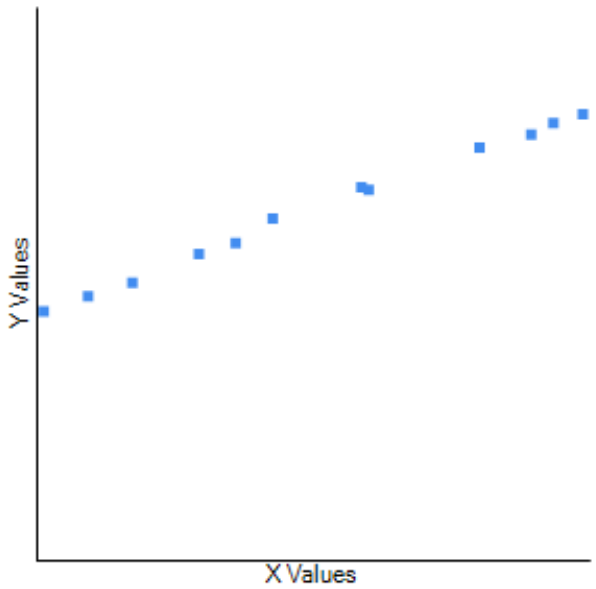


Fig. 133. Correlation between average temperature and minimum temperature in Scottburgh.

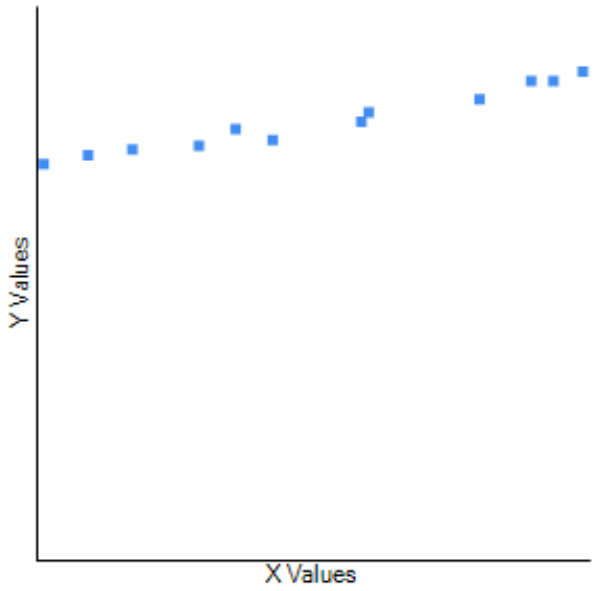


Fig. 134. Correlation between average and maximum temperature in Scottburgh.

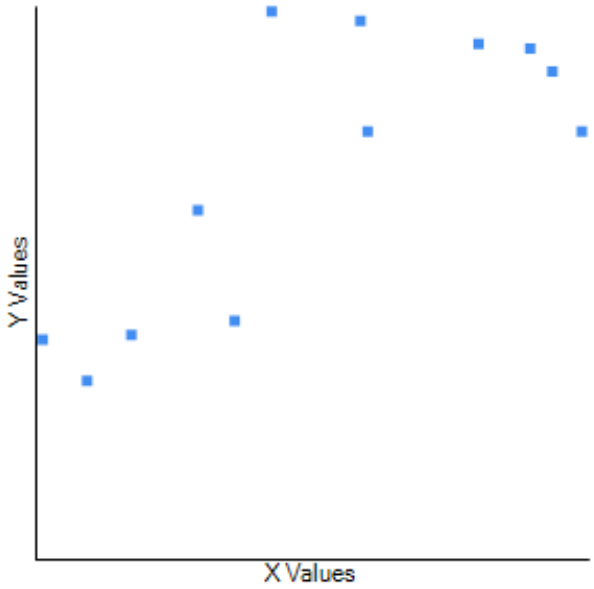


Fig. 135. Correlation between average temperature and precipitation in Scottburgh.

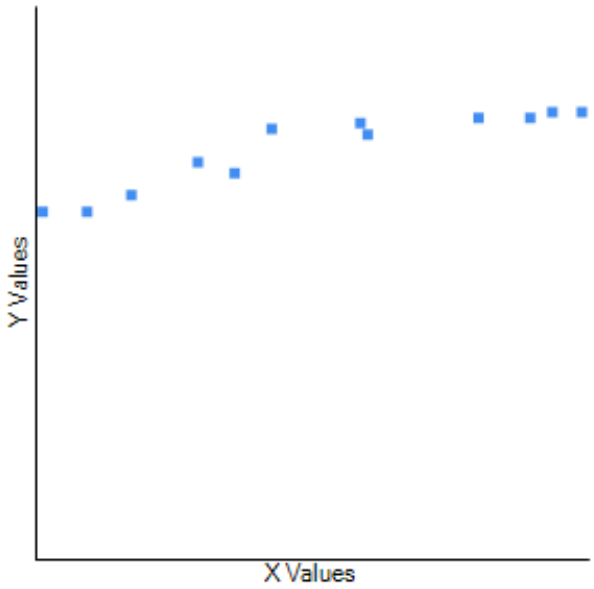


Fig. 136. Correlation between average temperature and humidity in Scottburgh.

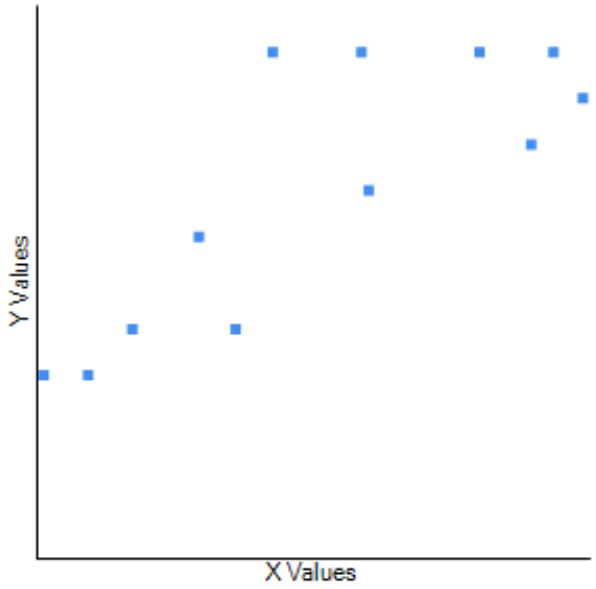


Fig. 137. Correlation between average temperature and rainy days in Scottburgh.

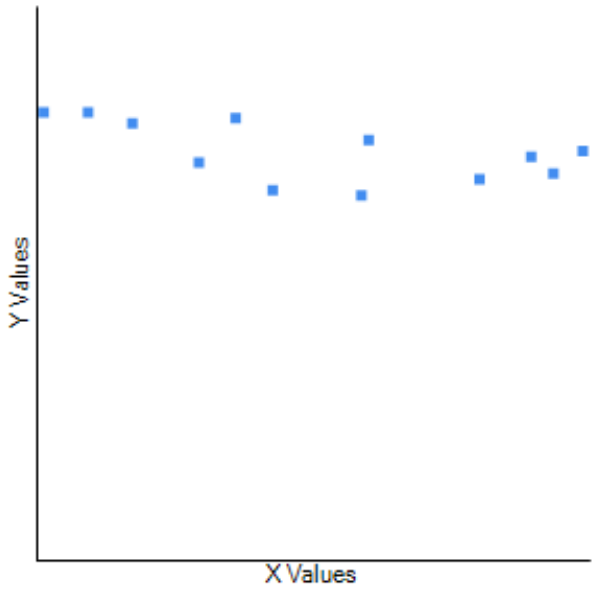


Fig. 138. Correlation between average temperature and average sun hours in Scottburgh.

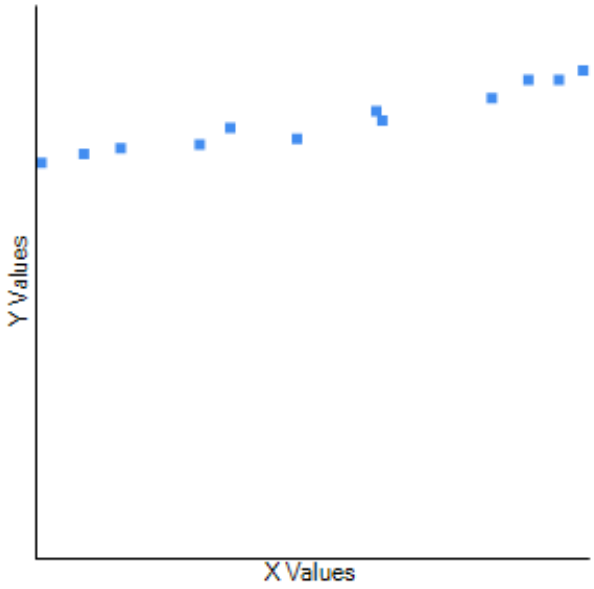


Fig. 139. Correlation between minimum and maximum temperature in Scottburgh.

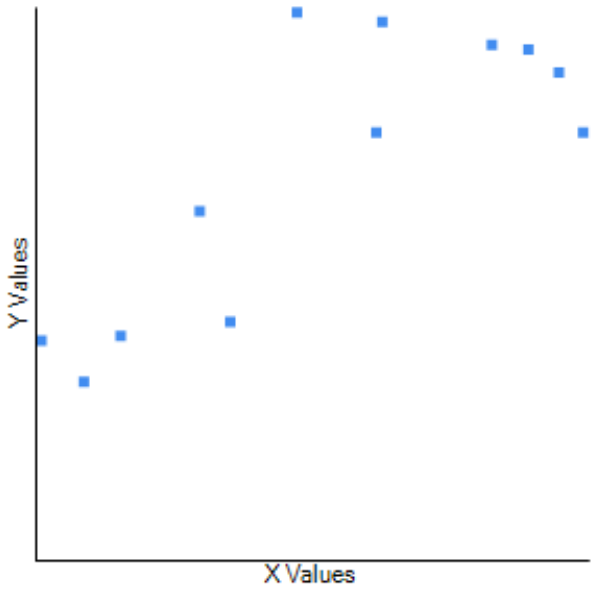


Fig. 140. Correlation between minimum temperature and precipitation in Scottburgh.

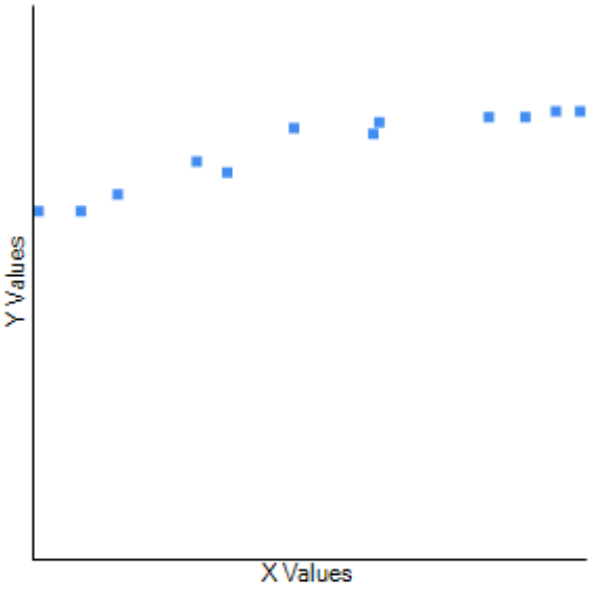


Fig. 141. Correlation between minimum temperature and humidity in Scottburgh.

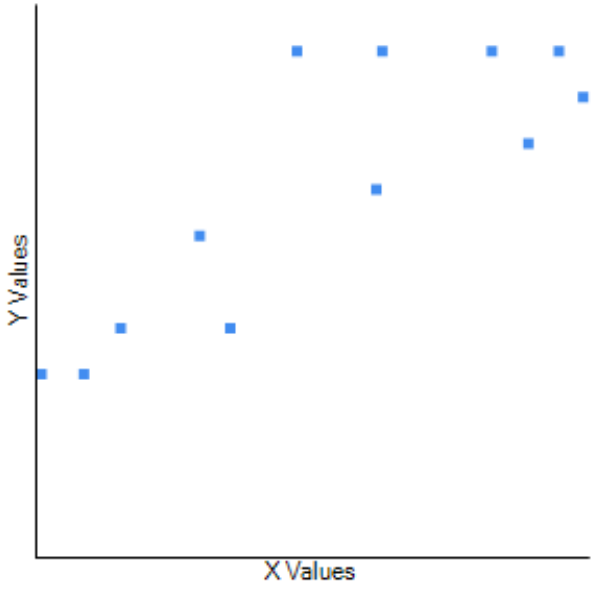


Fig. 142. Correlation between minimum temperature and rainy days in Scottbugh.

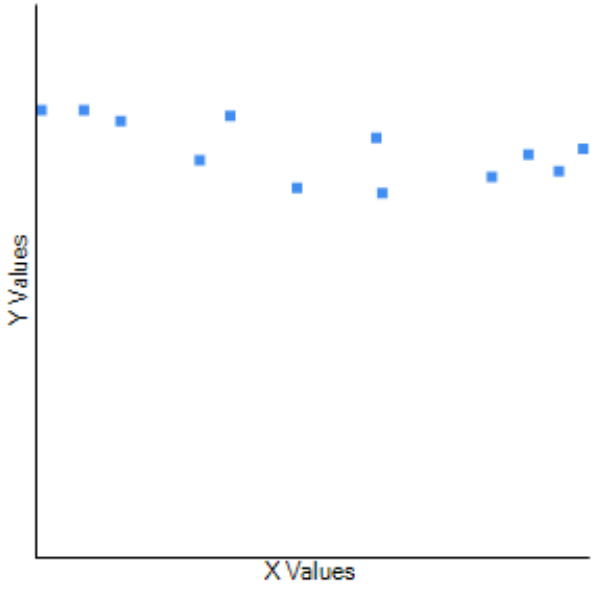


Fig. 143. Correlation between minimum temperature and average sun hours in Scottbugh.

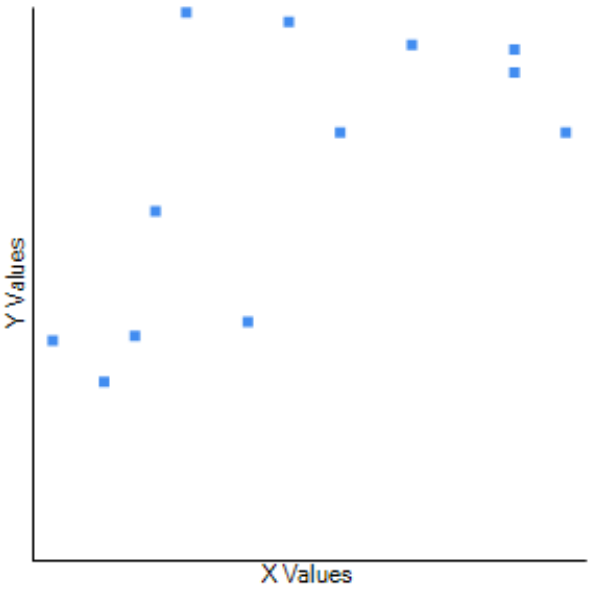


Fig. 144. Correlation between maximum temperature and precipitation in Scottburgh.

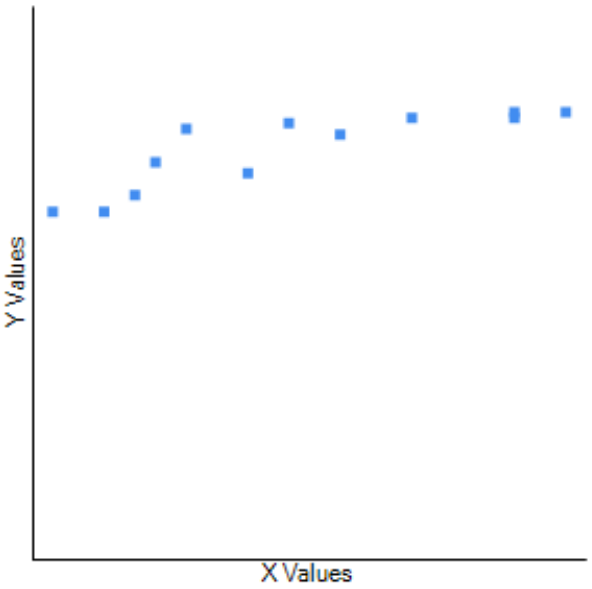


Fig. 145. Correlation between maximum temperature and humidity in Scottburgh.

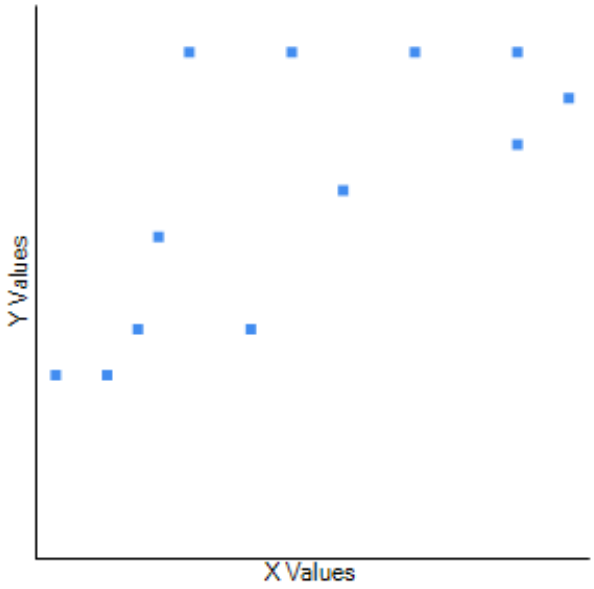


Fig. 146. Correlation between maximum temperature and rainy days in Scottburgh.

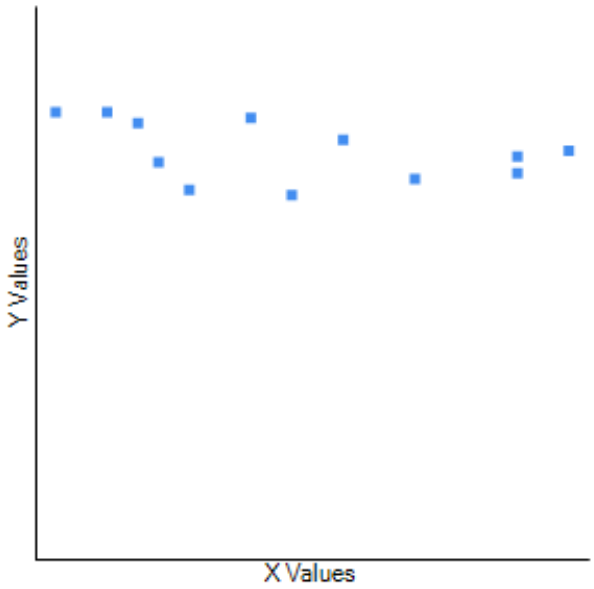


Fig. 147. Correlation between maximum temperature and average sun hours in Scottburgh.

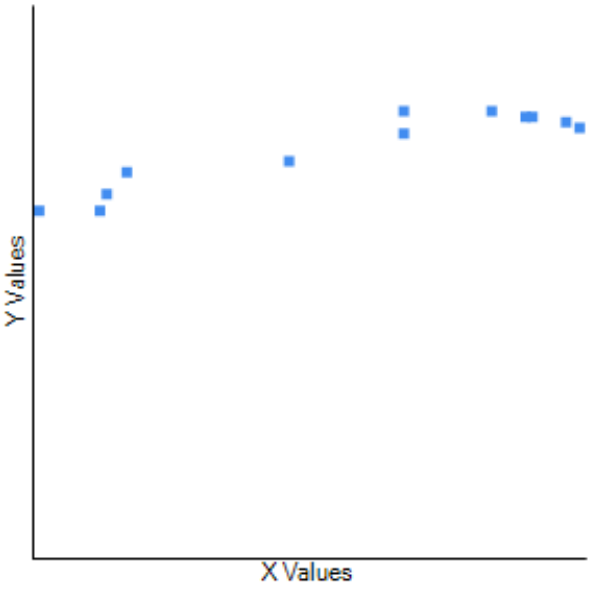


Fig. 148. Correlation between precipitation and humidity in Scottburgh.

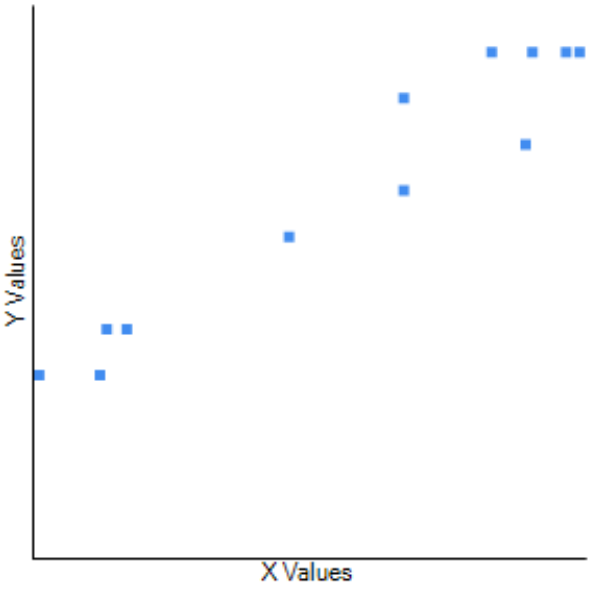


Fig. 149. Correlation between precipitation and rainy days in Scottburgh.

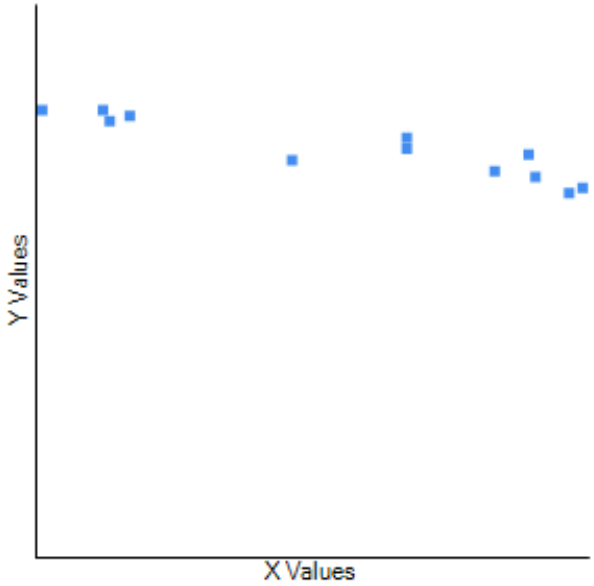


Fig. 150. Correlation between precipitation and average sun hours in Scottburgh.

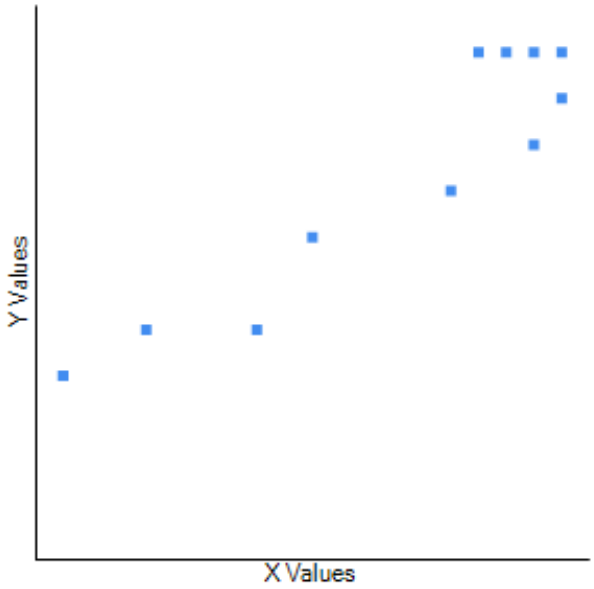


Fig. 151. Correlation between humidity and rainy days in Scottburgh.

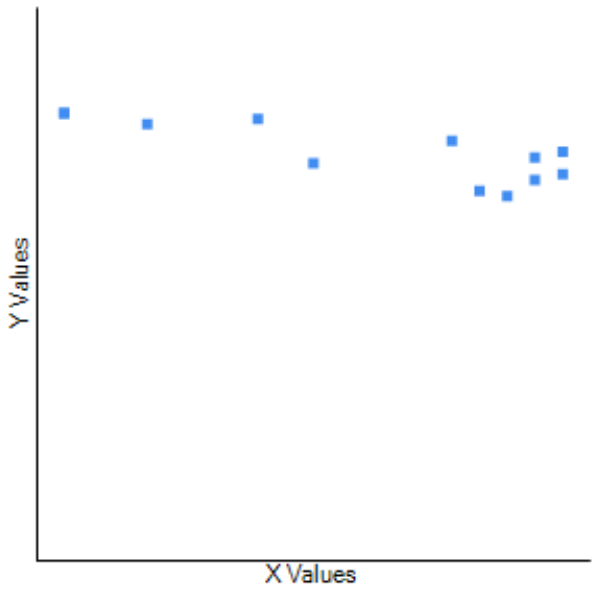


Fig. 152. Correlation between humidity and average sun hours in Scottburgh.

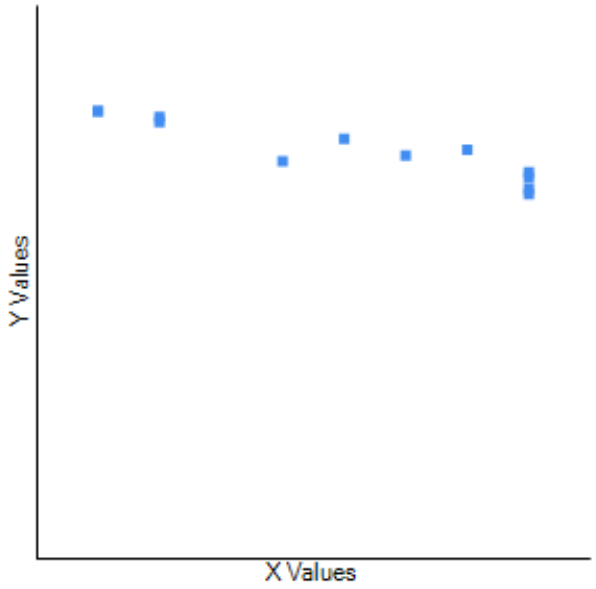


Fig. 153. Correlation between rainy days and average sun hours in Scottburgh.

Durban

Average temperature was correlated with minimum temperature (Fig. 154: r=0.9907, r^2=0.9815, n=12, p<0.00001), maximum temperature (Fig. 155: r=0.9921, r^2=0.9843, n=12, p<0.00001), precipitation (Fig. 156: r=0.8075, r^2=0.6521, n=12, p=0.001492), humidity (Fig. 157: r=0.9127, r^2=0.833, n=12, p=0.000034), rainy days (Fig. 158: r=0.7677, r^2=0.5894, n=12, p=0.003552), but not average sun hours (r=-0.4813, r^2=0.2316, n=12, p=0.11315). Minimum temperature was correlated with maximum temperature (Fig. 159: r=0.9699, r^2=0.9407, n=12, p<0.00001), precipitation (Fig. 160: r=0.8574, r^2=0.7351, n=12, p=0.000364), humidity (Fig. 161: r=0.9404, r^2=0.8844, n=12, p<0.00001), rainy days (Fig. 162: r=0.8219, r^2=0.6755, n=12, p=0.000563), and average sun hours (Fig. 163: r=-0.5728, r^2=0.3281, n=12, p=0.051579). Maximum temperature was correlated with precipitation (Fig. 164: r=0.7342, r^2=0.539, n=12, p=0.006551), humidity (Fig. 165: r=0.858, r^2=0.7362, n=12, p=0.000398), rainy days (Fig. 166: r=0.69, r^2=0.4761, n=12, p=0.013016), but not average sun hours (r=-0.372, r^2=0.1384, n=12, p=0.233758). Precipitation was correlated with humidity (Fig. 167: r=0.9352, r^2=0.8746, n=12, p<0.00001), rainy days (Fig. 168: r=0.969, r^2=0.939, n=12, p<0.00001), and average sun hours (Fig. 169: r=-0.8571, r^2=0.7346, n=12, p=0.000367). Humidity was correlated with rainy days (Fig. 170: r=0.9023, r^2=0.8141, n=12, p=0.000059) and average sun hours (Fig. 171: r=-0.7447, r^2=0.5546, n=12, p=0.00546). Rainy days were correlated to average sun hours (Fig. 172: r=-0.8986, r^2=0.8075, n=12, p=0.000071).

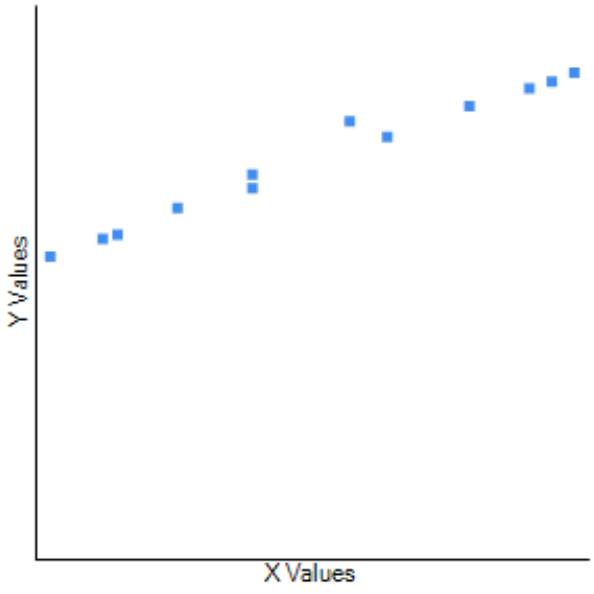


Fig. 154. Correlation between average temperature and minimum temperature in Durban.

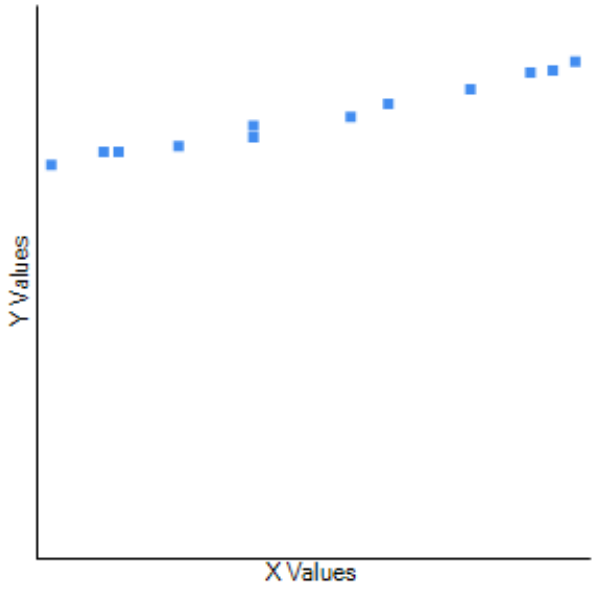


Fig. 155. Correlation between average and maximum temperature in Durban.

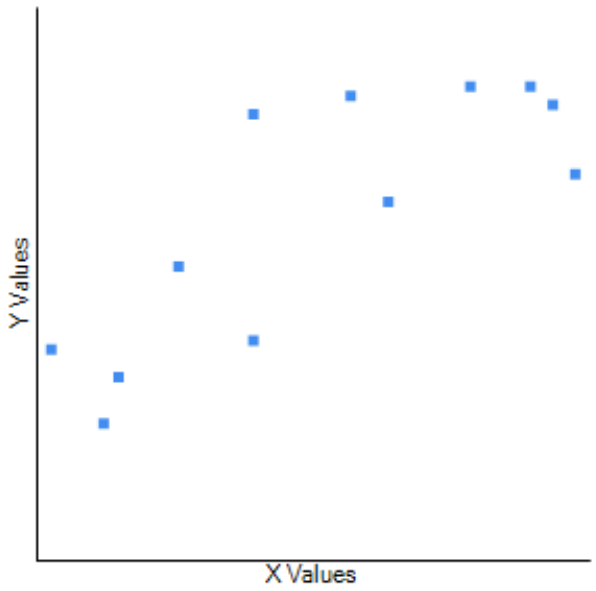


Fig. 156. Correlation between average temperature and precipitation in Durban.

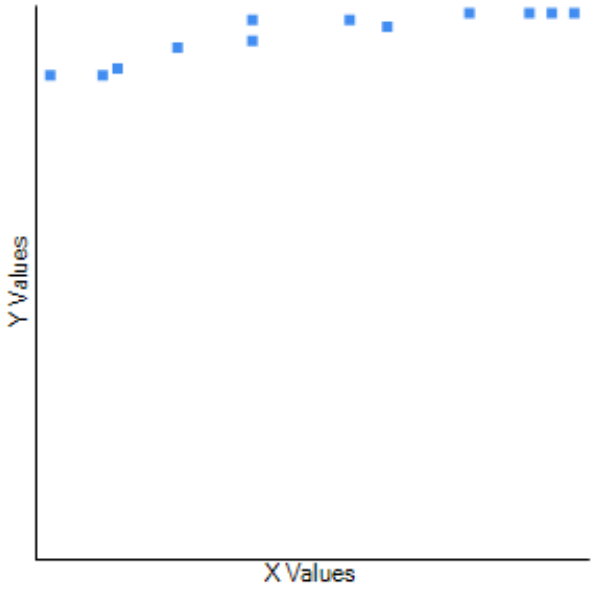


Fig. 157. Correlation between average temperature and humidity in Durban.

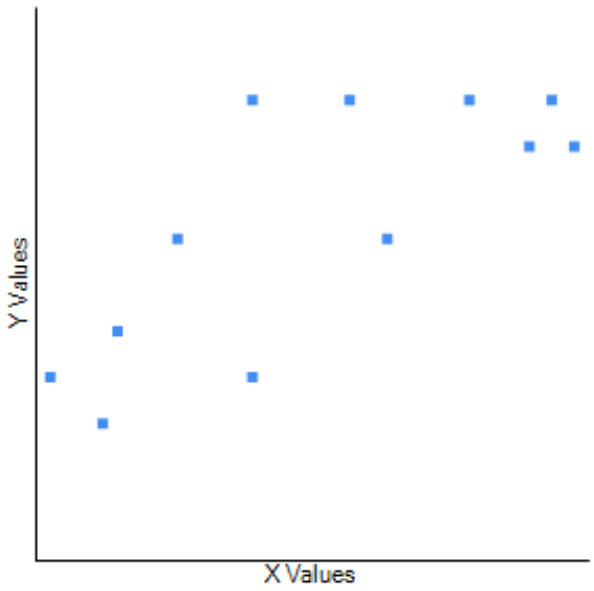


Fig. 158. Correlation between average temperature and rainy days in Durban.

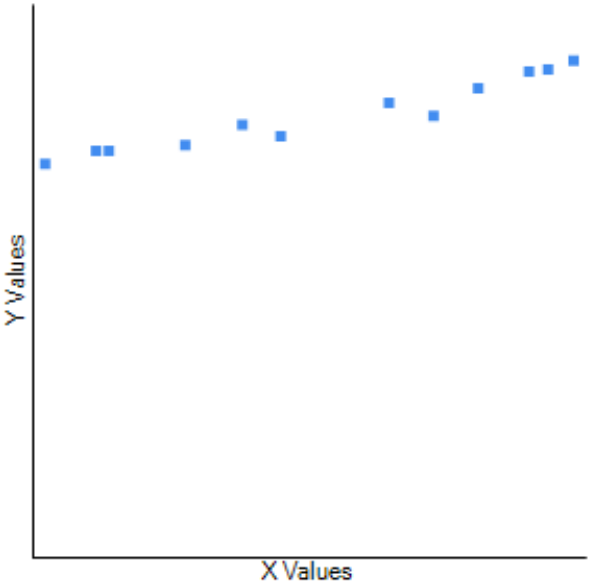
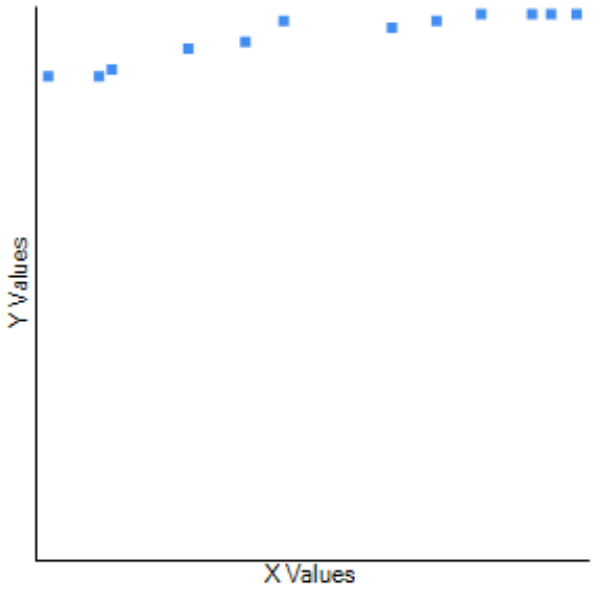


Fig. 159. Correlation between minimum and maximum temperature in Durban.



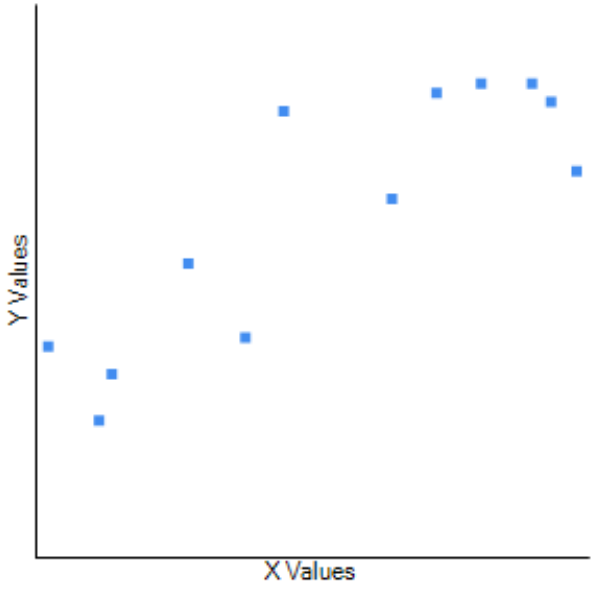


Fig. 160. Correlation between minimum temperature and precipitation in Durban.

Fig. 161. Correlation between minimum temperature and humidity in Durban.

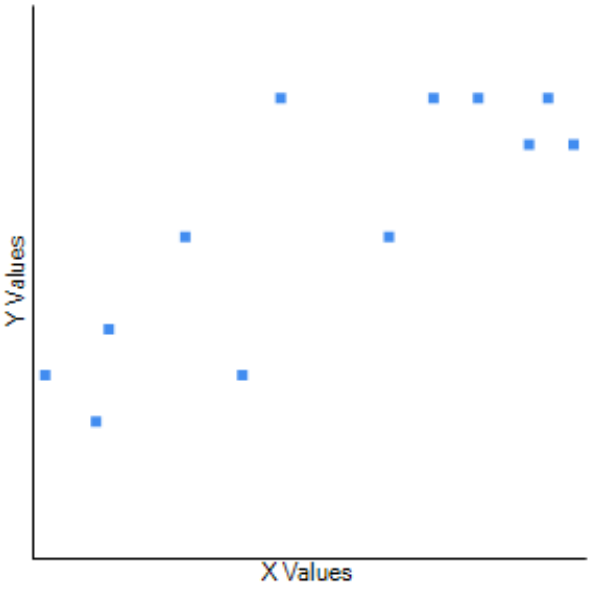


Fig. 162. Correlation between minimum temperature and rainy days in Durban.

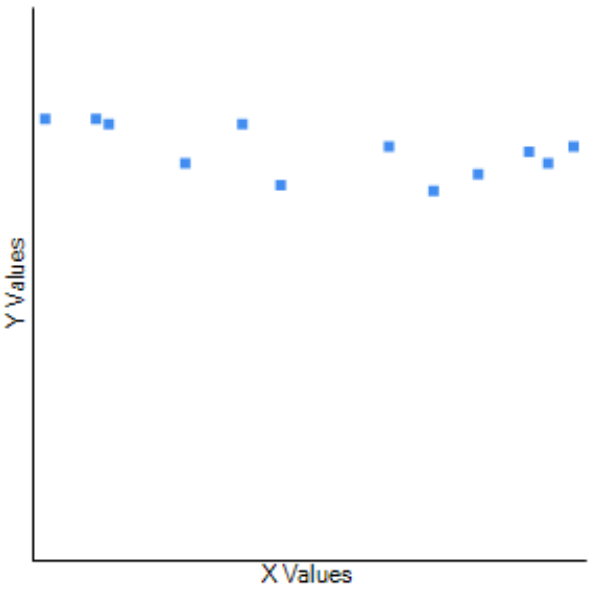


Fig. 163. Marginal correlation between minimum temperature and average sun hours in Durban.

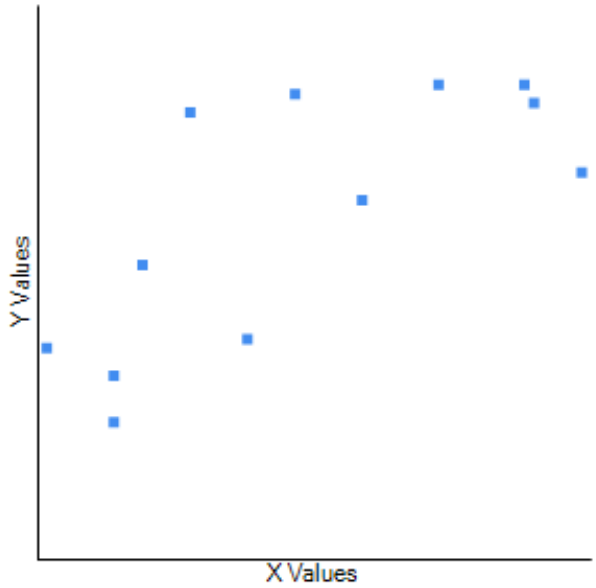


Fig. 164. Correlation between maximum temperature and precipitation in Durban.

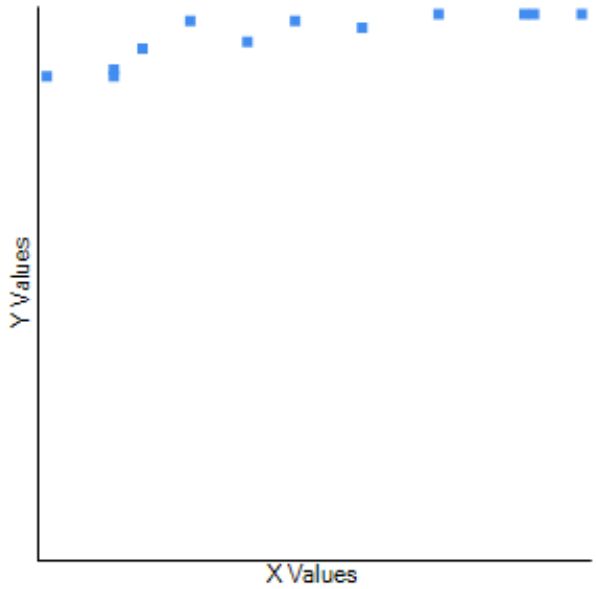


Fig. 165. Correlation between maximum temperature and humidity in Durban.

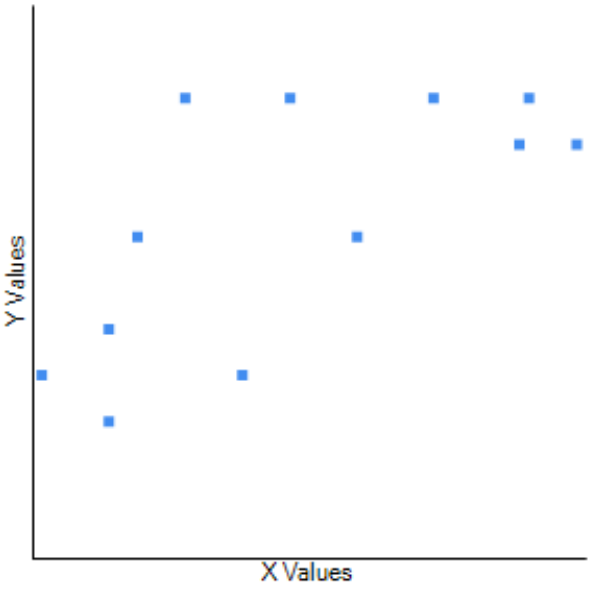


Fig. 166. Correlation between maximum temperature and rainy days in Durban.

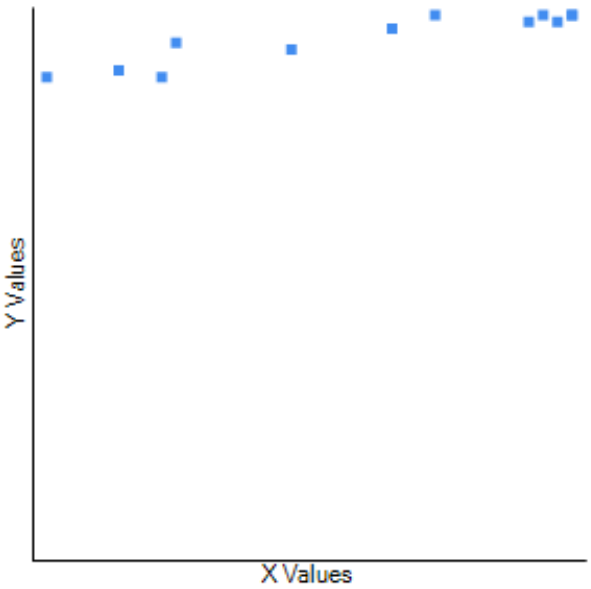


Fig. 167. Correlation between precipitation and humidity in Durban.

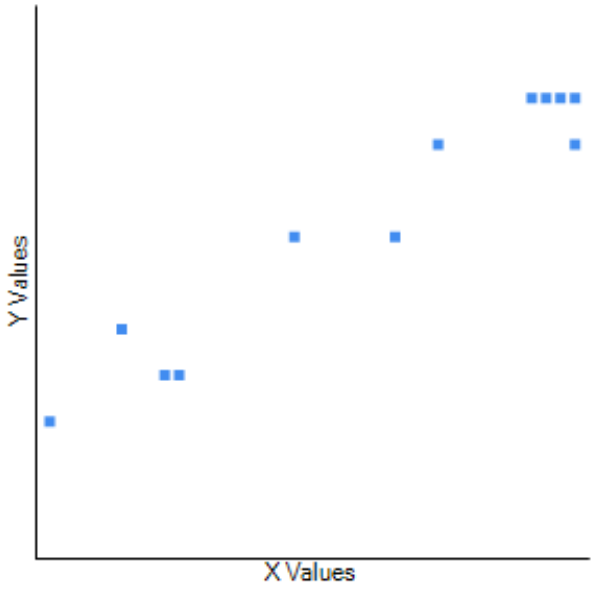


Fig. 168. Correlation between precipitation and rainy days in Durban.

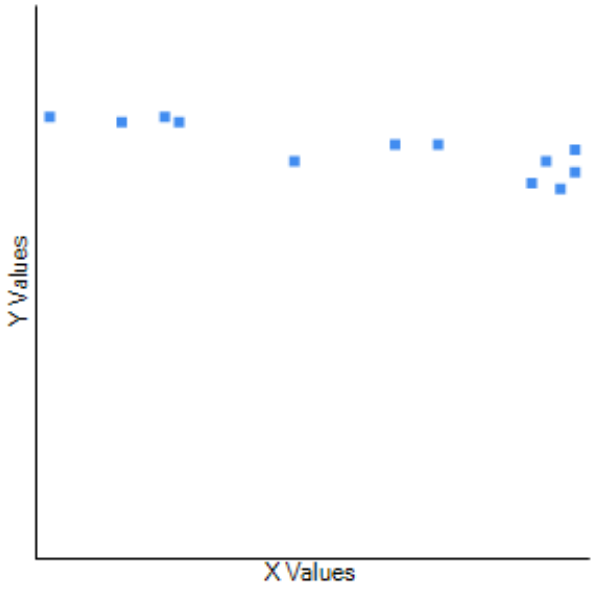


Fig. 169. Correlation between precipitation and average sun hours in Durban.

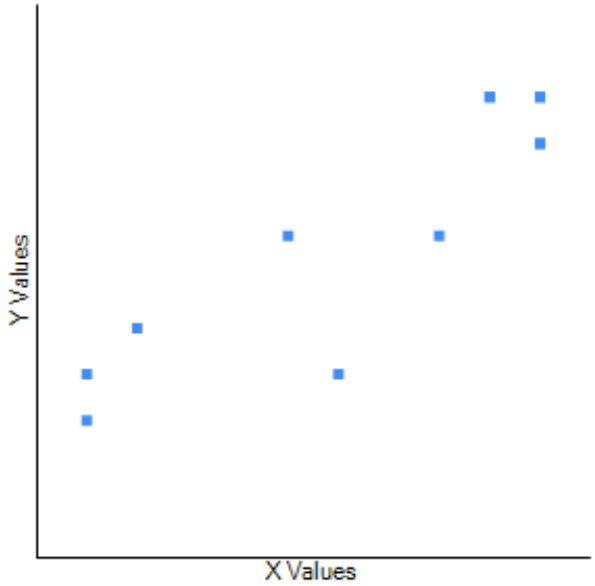


Fig. 170. Correlation between humidity and rainy days in Durban.

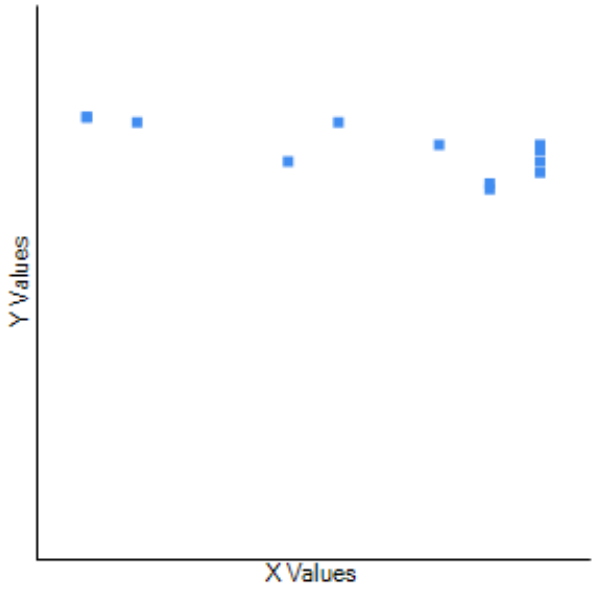


Fig. 171. Correlation between humidity and average sun hours in Durban.

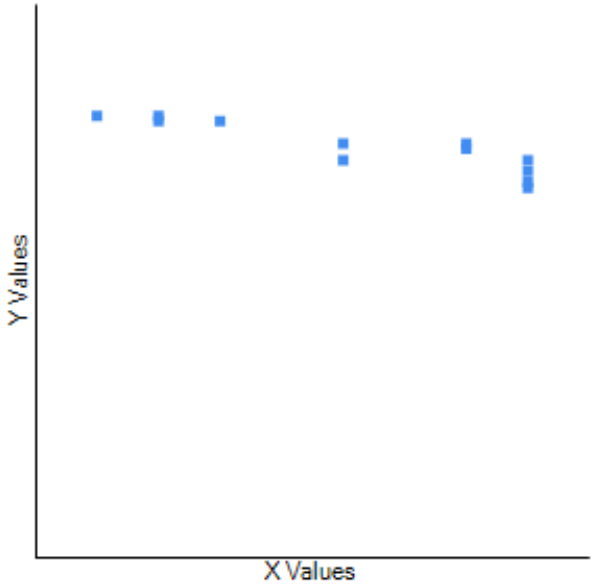


Fig. 172. Correlation between rainy days and average sun hours in Durban.

Pietermaritzburg

Average temperature was correlated with minimum temperature (Fig. 173: r=0.9983, r^2=0.9966, n=12, p<0.00001), maximum temperature (Fig. 174: r=0.9872, r^2=0.9746, n=12, p<0.00001), precipitation (Fig. 175: r=0.9223, r^2=0.8506, n=12, p=0.00002), humidity (Fig. 176: r=0.9505, r^2=0.9305, n=12, p<0.00001), rainy days (Fig. 177: r=0.8958, r^2=0.8025, n=12, p=0.000081), and average sun hours (Fig. 178: r=-0.8929, r^2=0.7973, n=12, p=0.000092). Minimum temperature was correlated with maximum temperature (Fig. 179: r=0.9773, r^2=0.9551, n=12, p<0.00001), precipitation (Fig. 180: r=0.9236, r^2=0.853, n=12, p=0.000018), humidity (Fig. 181: r=0.9659, r^2=0.933, n=12, p<0.00001), rainy days (Fig. 182: r=0.8972, r^2=0.805, n=12, p=0.000076), and average sun hours (Fig. 183: r=-0.9033, r^2=0.816, n=12, p=0.000057). Maximum temperature was correlated with precipitation (Fig. 184: r=0.903, r^2=0.8154, n=12, p=0.000057), humidity (Fig. 195: r=0.893, r^2=0.8016, n=12, p=0.000083), rainy days (Fig. 196: r=0.8882, r^2=0.7779, n=12, p=0.000147), and average sun hours (Fig. 197: r=-0.8537, r^2=0.7288, n=12, p=0.000411). Precipitation was correlated with humidity (Fig. 188: r=0.8994, r^2=0.8089, n=12,

p=0.000068), rainy days (Fig. 189: r=0.9866, r^2=0.9734, n=12, p<0.00001), and average sun hours (Fig. 190: r=-0.9678, r^2=0.9366, n=12, p<0.00001). Humidity was correlated with rainy days (Fig. 191: r=0.8758, r^2=0.767, n=12, p=0.000188) and average sun hours (Fig. 192: r=-0.9165, r^2=0.84, n=12, p=0.000028). Rainy days were correlated to average sun hours (Fig. 193: r=-0.9762, r^2=0.953, n=12, p<0.000001).

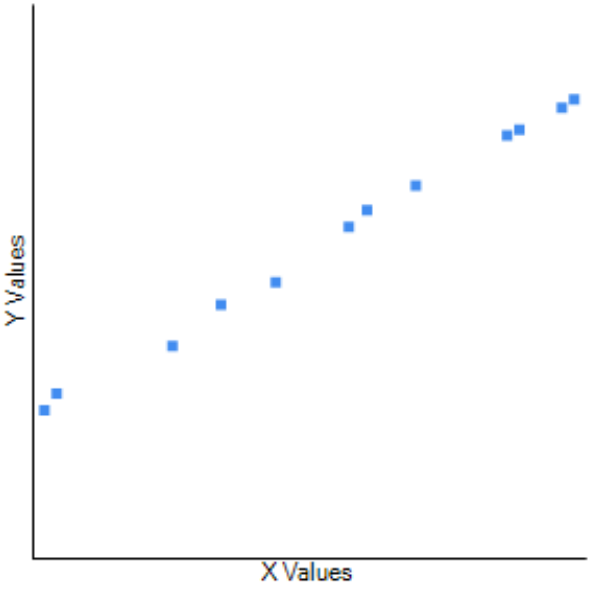


Fig. 173. Correlation between average temperature and minimum temperature in Pietermaritzburg.

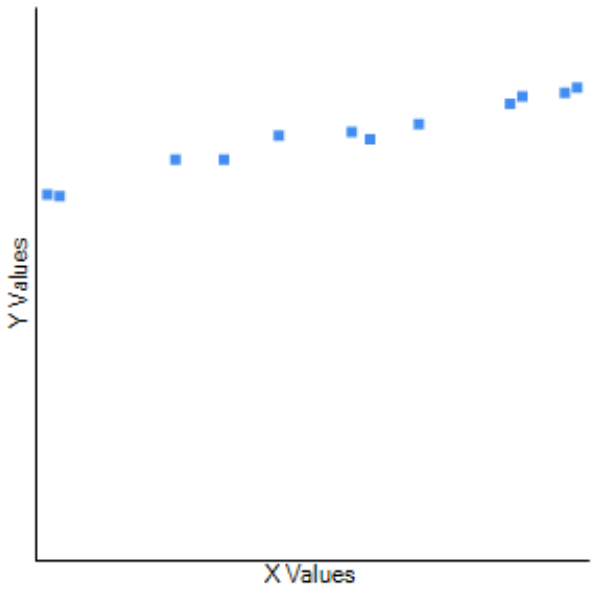


Fig. 174. Correlation between average and maximum temperature in Pietermaritzburg.

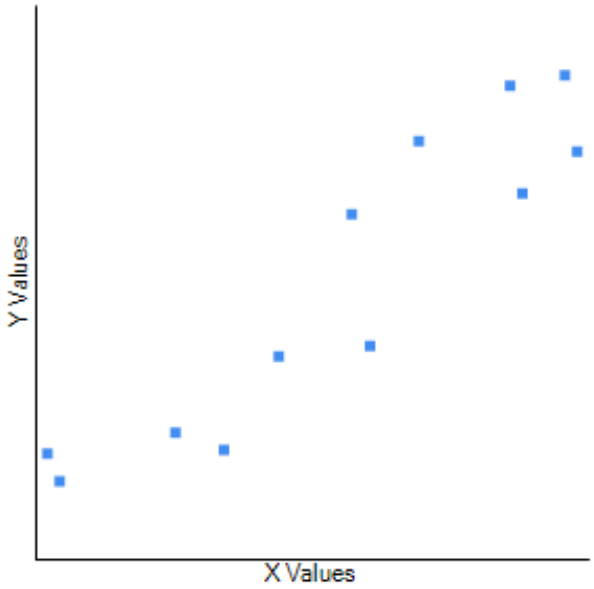


Fig. 175. Correlation between average temperature and precipitation in Pietermaritzburg.

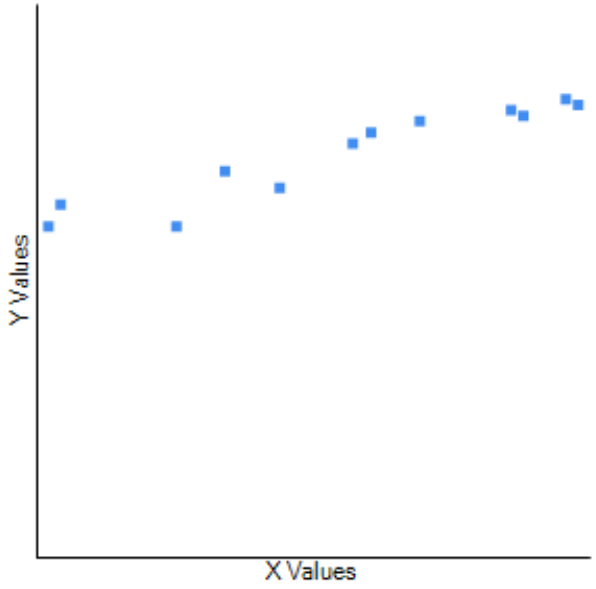


Fig. 176. Correlation between average temperature and humidity in Pietermaritzburg.

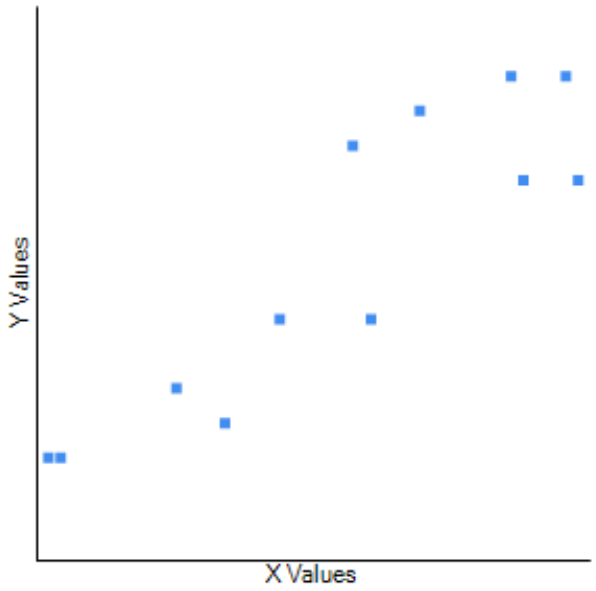


Fig. 177. Correlation between average temperature and rainy days in Pietermaritzburg.

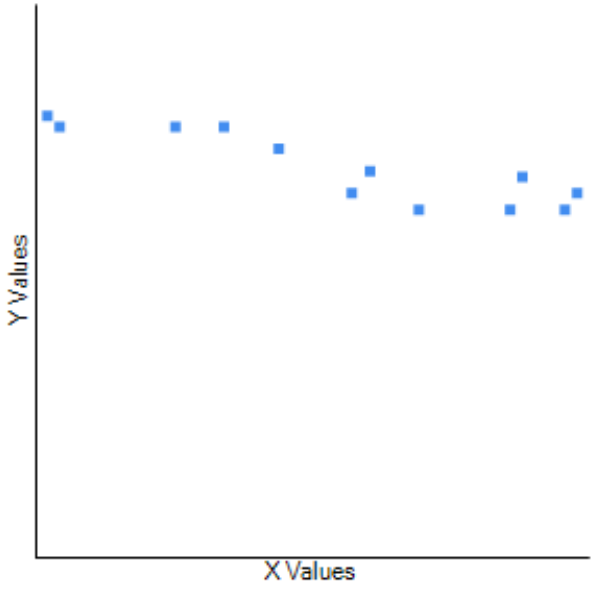


Fig. 178. Correlation between average temperature and average sun hours in Pietermaritzburg.

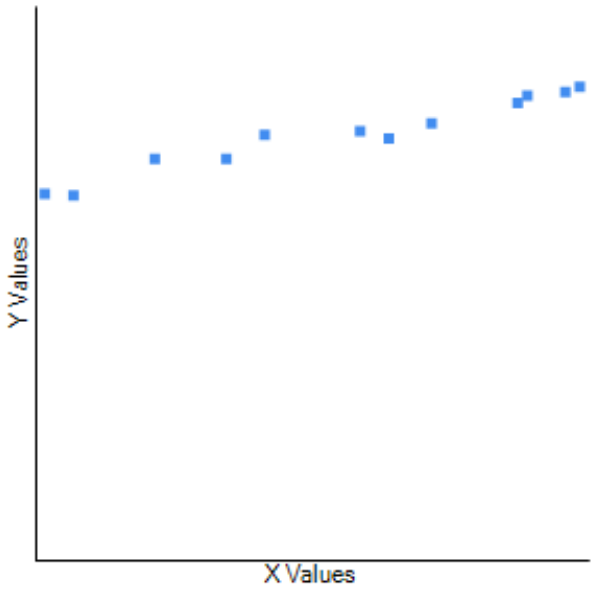


Fig. 179. Correlation between minimum and maximum temperature in Pietermaritzburg.

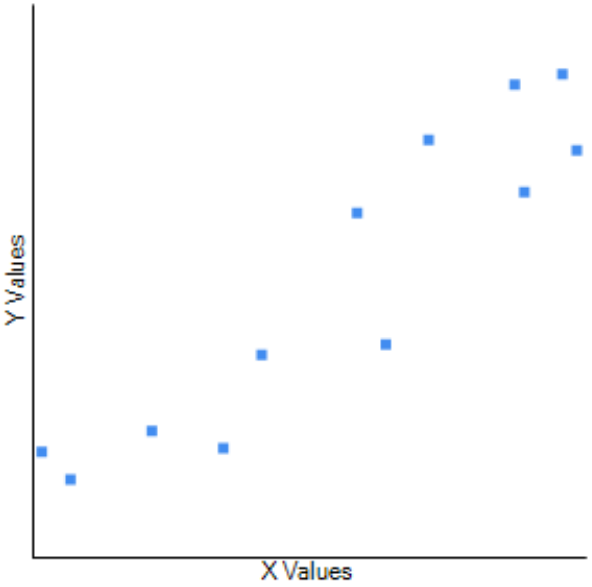


Fig. 180. Correlation between minimum temperature and precipitation in Pietermaritzburg.

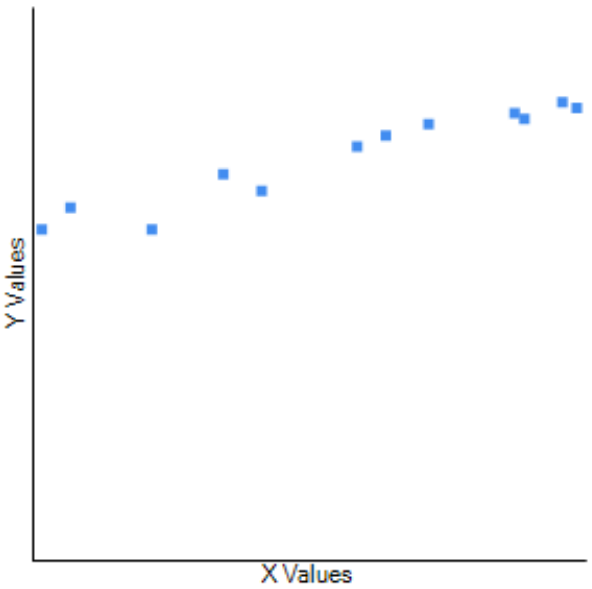


Fig. 181. Correlation between minimum temperature and humidity in Pietermaritzburg.

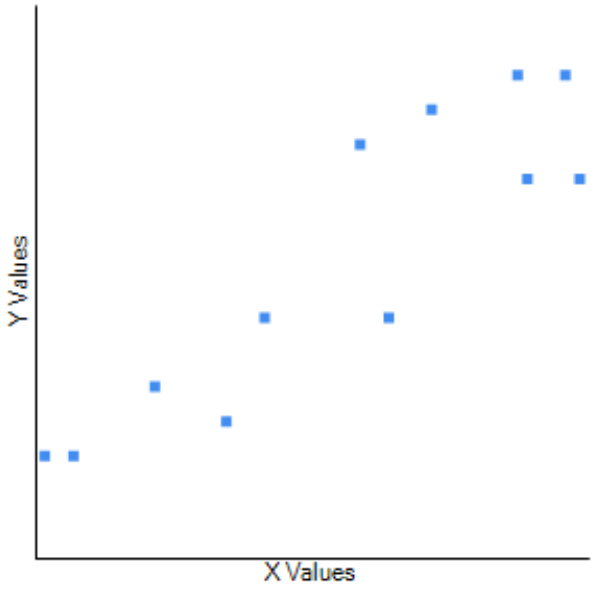


Fig. 182. Correlation between minimum temperature and rainy days in Pietermaritzburg.

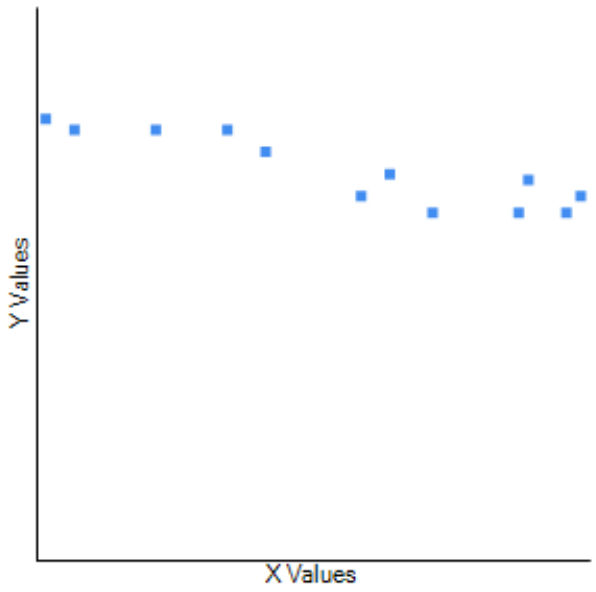


Fig. 183. Marginal correlation between minimum temperature and average sun hours in Pietermaritzburg.

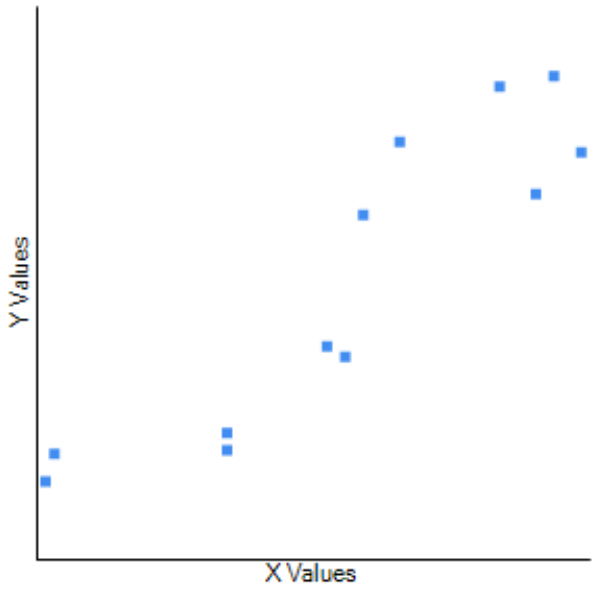


Fig. 184. Correlation between maximum temperature and precipitation in Pietermaritzburg.

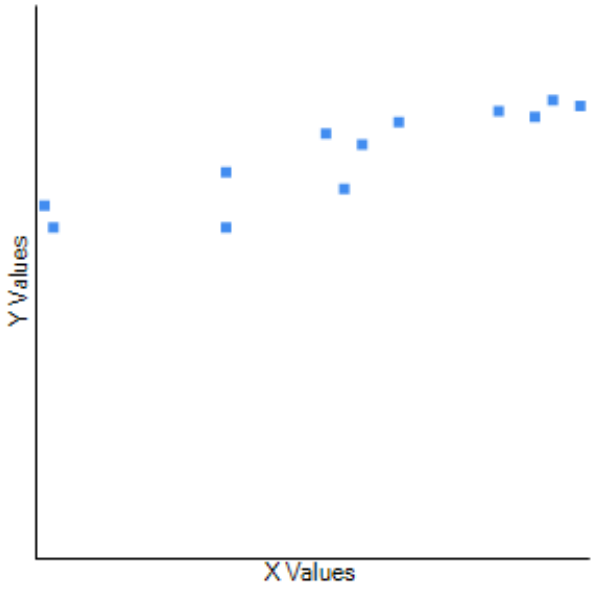


Fig. 185. Correlation between maximum temperature and humidity in Pietermaritzburg.

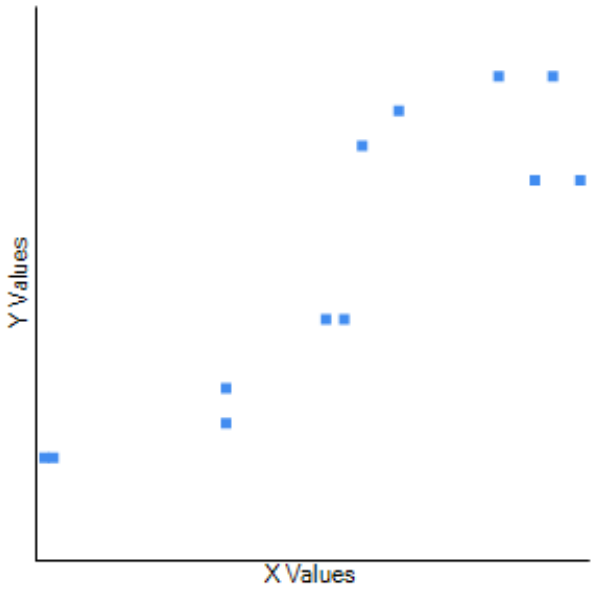


Fig. 186. Correlation between maximum temperature and rainy days in Pietermaritzburg.

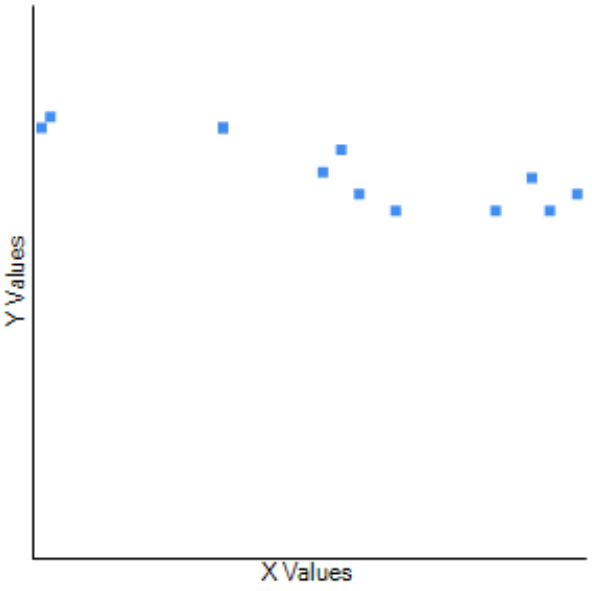


Fig. 187. Correlation between maximum temperature and average sun hours in Pietermaritzburg.

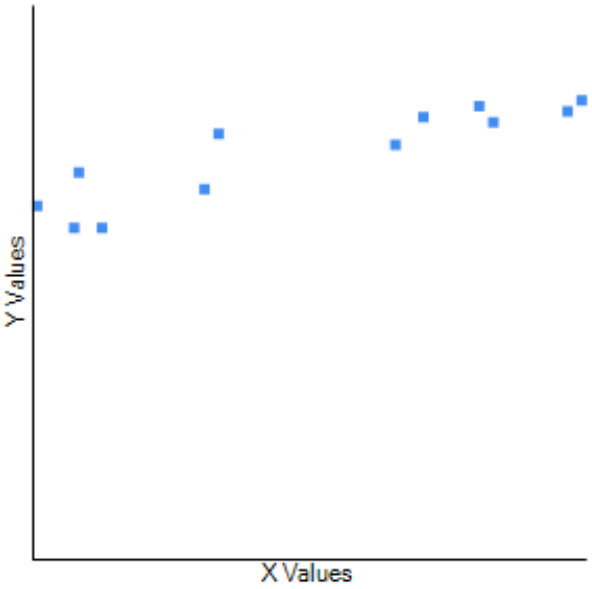


Fig. 188. Correlation between precipitation and humidity in Pietermaritzburg.

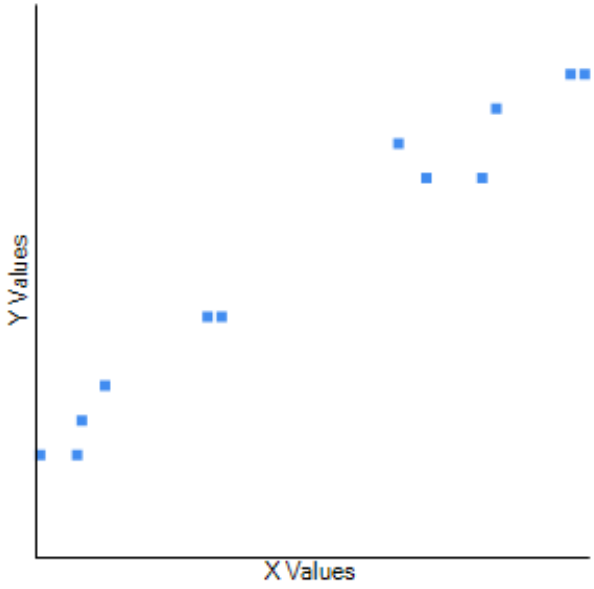


Fig. 189. Correlation between precipitation and rainy days in Pietermaritzburg.

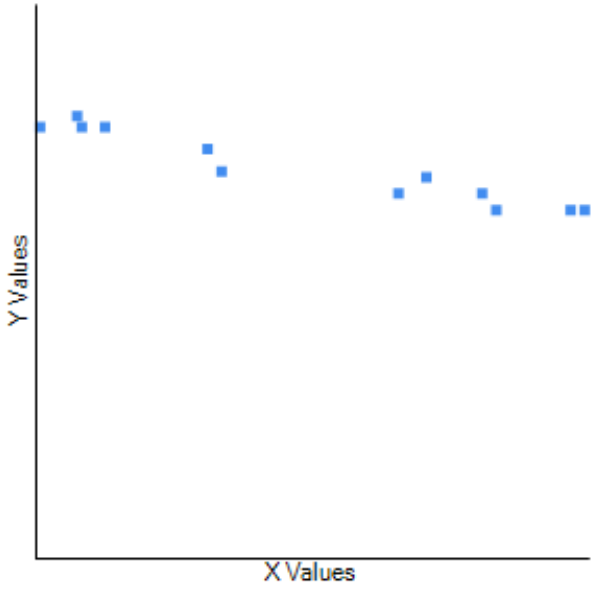


Fig. 190. Correlation between precipitation and average sun hours in Pietermaritzburg.

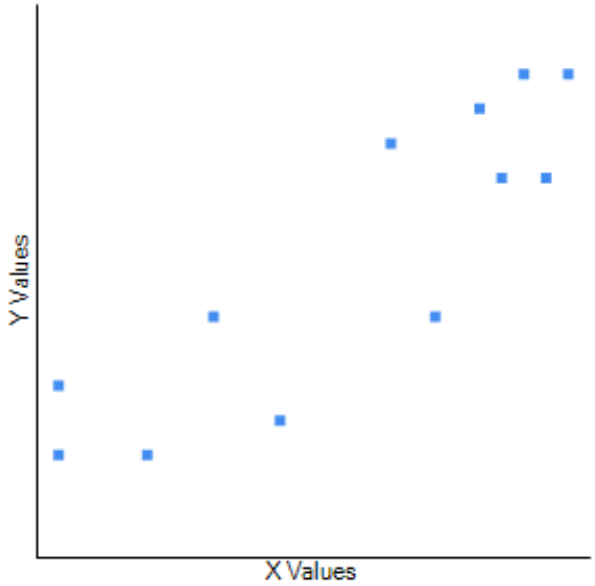


Fig. 191. Correlation between humidity and rainy days in Pietermaritzburg.

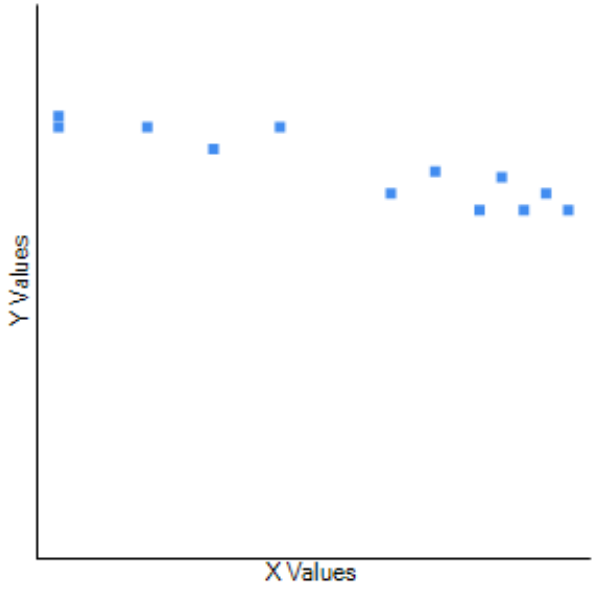


Fig. 192. Correlation between humidity and average sun hours in Pietermaritzburg.

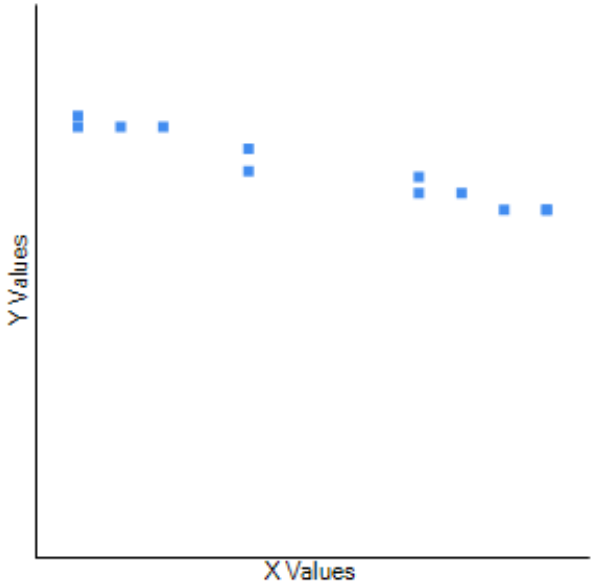


Fig. 193. Correlation between rainy days and average sun hours in Pietermaritzburg.

Kirkwood

Average temperature was correlated with minimum temperature (Fig. 194: r=0.9992, r^2=0.9984, n=12, p<0.00001), maximum temperature (Fig. 195: r=0.998, r^2=0.996, n=12, p<0.00001), precipitation (Fig. 196: r=0.7532, r^2=0.5673, n=12, p=0.004682), humidity (Fig. 197: r=0.6826, r^2=0.4659, n=12, p=0.014442), rainy days (Fig. 198: r=0.9189, r^2=0.8444, n=12, p=0.000024), but not average sun hours (r=-0.1949, r^2=0.038, n=12, p=0.54384). Minimum temperature was correlated with maximum temperature (Fig. 199: r=0.9953, r^2=0.9906, n=12, p<0.00001), precipitation (Fig. 200: r=0.7432, r^2=0.5523, n=12, p=0.005607), humidity (Fig. 201: r=0.6937, r^2=0.4812, n=12, p=0.012343), rainy days (Fig. 202: r=0.9121, r^2=0.8319, n=12, p=0.000036), but not average sun hours (r=-0.1666, r^2=0.0278, n=12, p=0.604807). Maximum temperature was correlated with precipitation (Fig. 203: r=0.762, r^2=0.5806, n=12, p=0.003969), humidity (Fig. 204: r=0.6665, r^2=0.4442, n=12, p=0.017939), rainy days (Fig. 205: r=0.9252, r^2=0.856, n=12, p=0.000016), but not average sun hours (r=-0.2236, r^2=0.05, n=12, p=0.484805). Precipitation was marginally

correlated with humidity (Fig. 206: r=0.4766, r^2=0.2271, n=12, p=0.117229), rainy days (Fig. 207: r=0.9275, r^2=0.8603, n=12, p=0.000014), and marginally with average sun hours (r=-0.4624, r^2=0.2138, n=12, p=0.130136). Humidity was correlated with rainy days (Fig. 208: r=0.5957, r^2=0.3549, n=12, p=0.040967) but not average sun hours (r=-0.1836, r^2=0.0337, n=12, p=0.567873). Rainy days were not correlated to average sun hours (r=-0.3825, r^2=0.1463, n=12, p=0.219775).

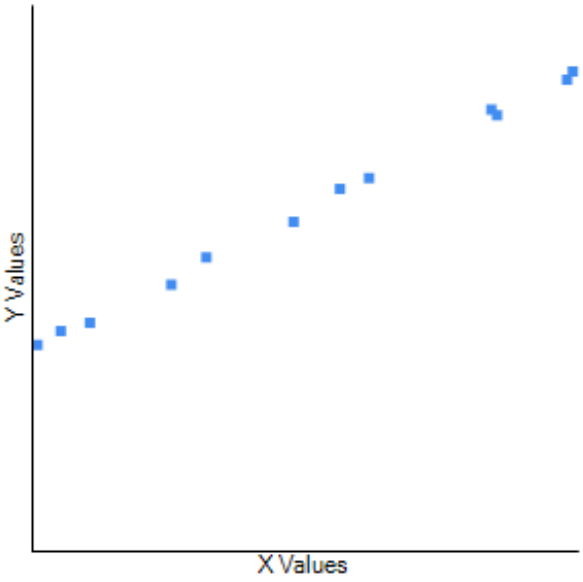


Fig. 194. Correlation between average temperature and minimum temperature in Kirkwood.

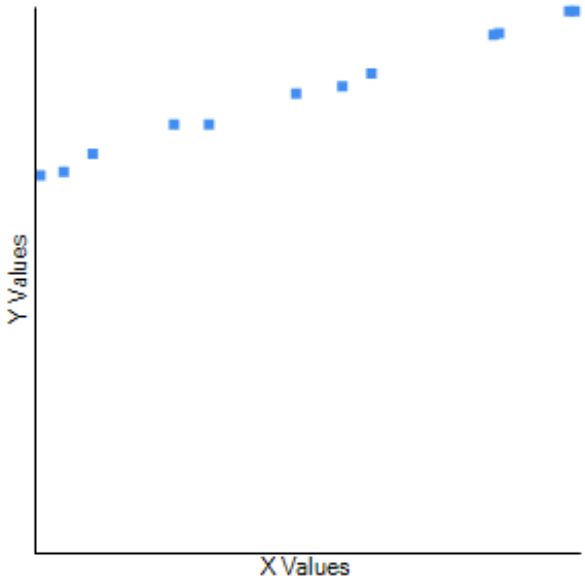


Fig. 195. Correlation between average and maximum temperature in Kirkwood.

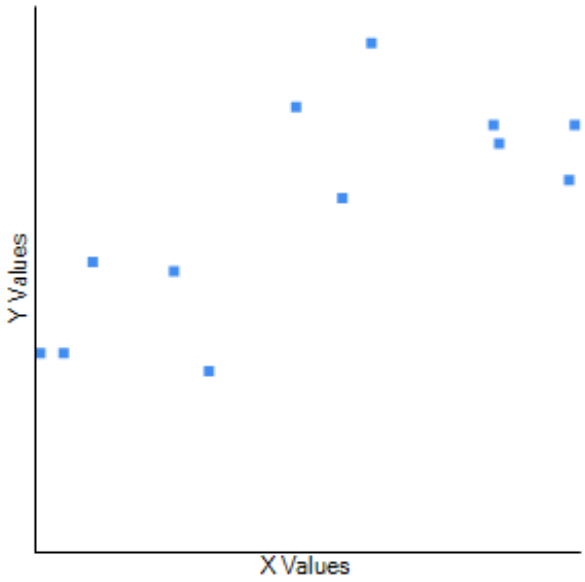


Fig. 196. Correlation between average temperature and precipitation in Kirkwood.

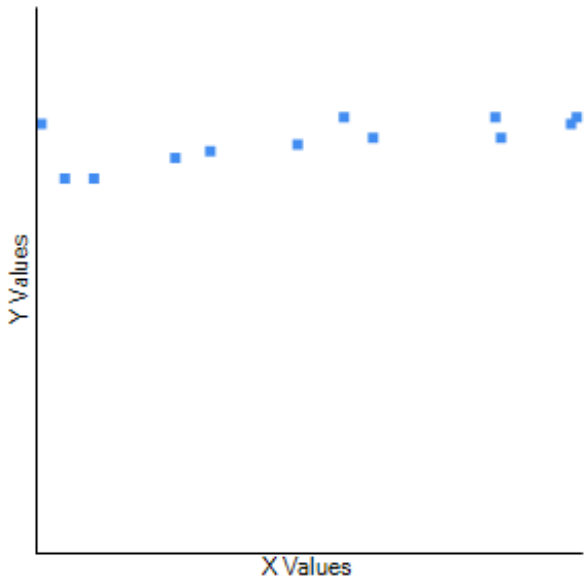


Fig. 197. Correlation between average temperature and humidity in Kirkwood

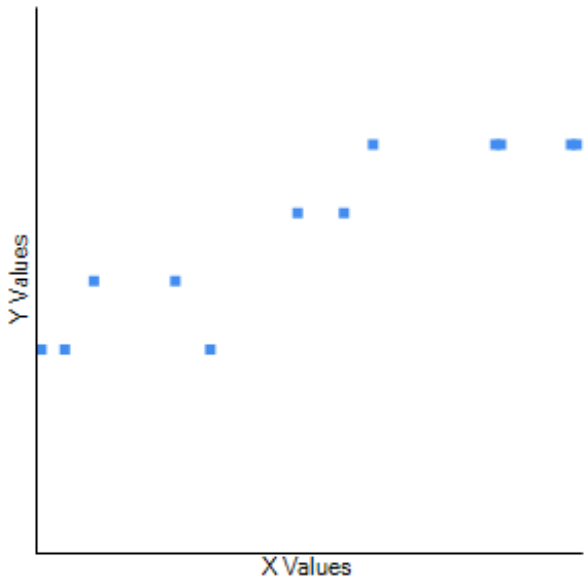


Fig. 198. Correlation between average temperature and rainy days in Kirkwood.

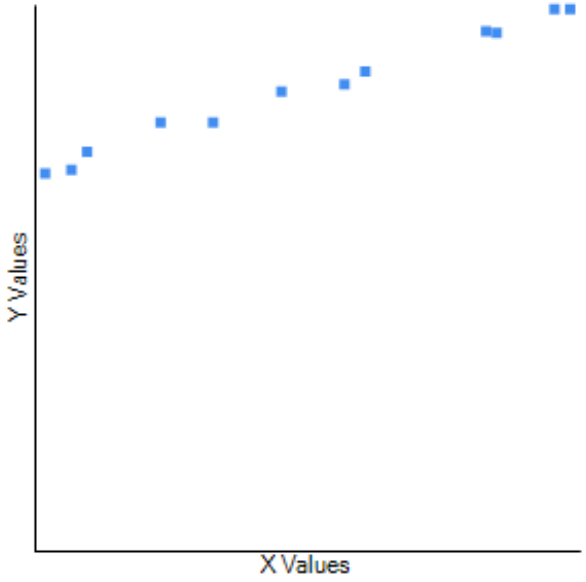


Fig. 199. Correlation between minimum and maximum temperature in Kirkwood.

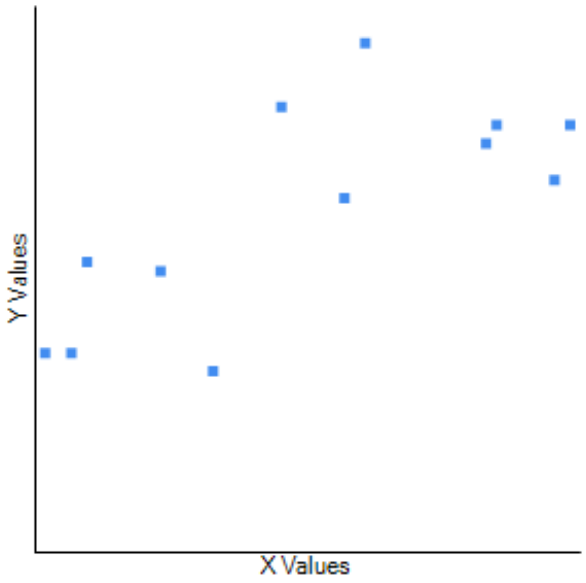


Fig. 200. Correlation between minimum temperature and precipitation in Kirkwood.

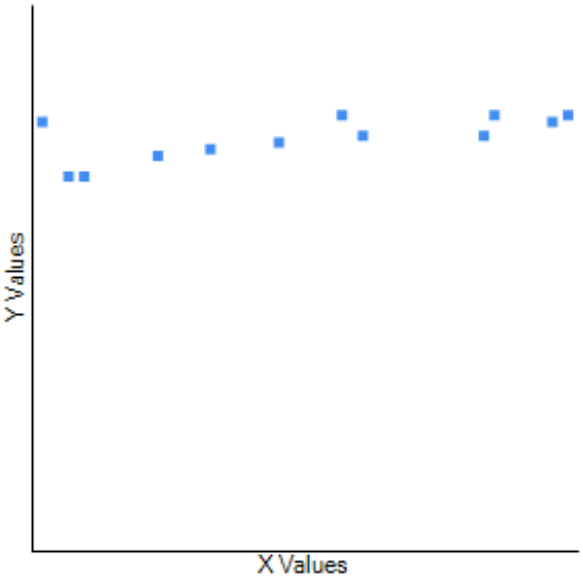


Fig. 201. Correlation between minimum temperature and humidity in Kirkwood.

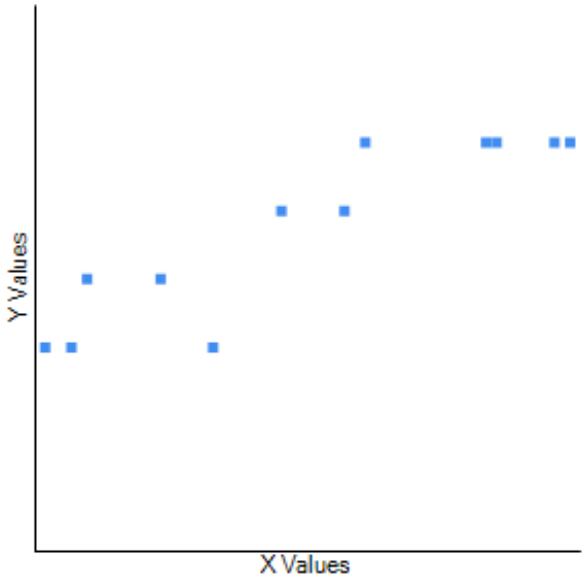


Fig. 202. Correlation between minimum temperature and rainy days in Kirkwood.

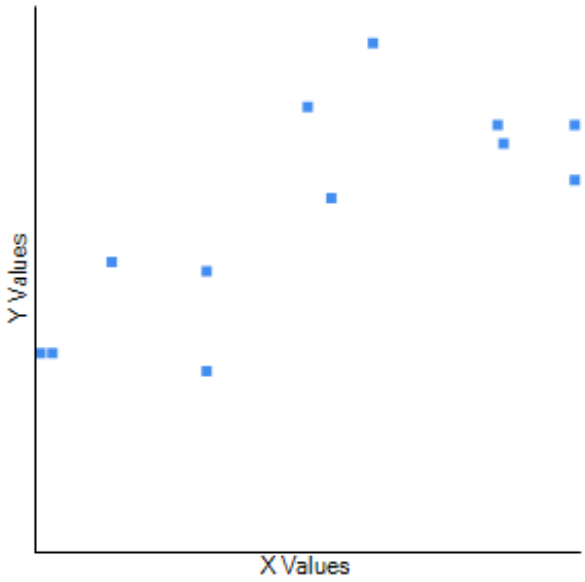


Fig. 203. Correlation between maximum temperature and precipitation in Kirkwood.

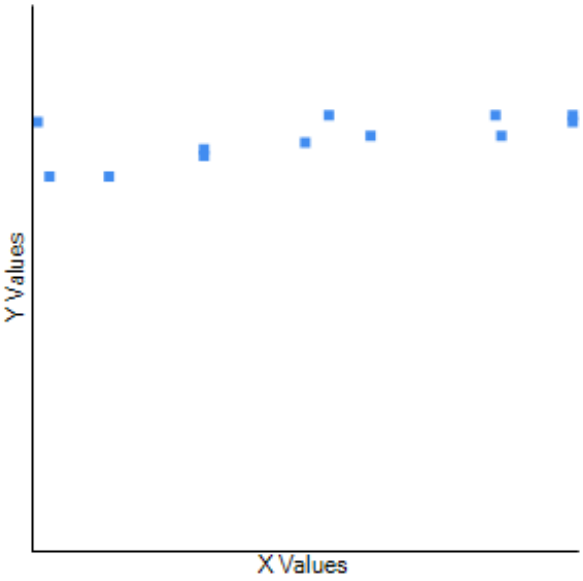


Fig. 204. Correlation between maximum temperature and humidity in Kirkwood.

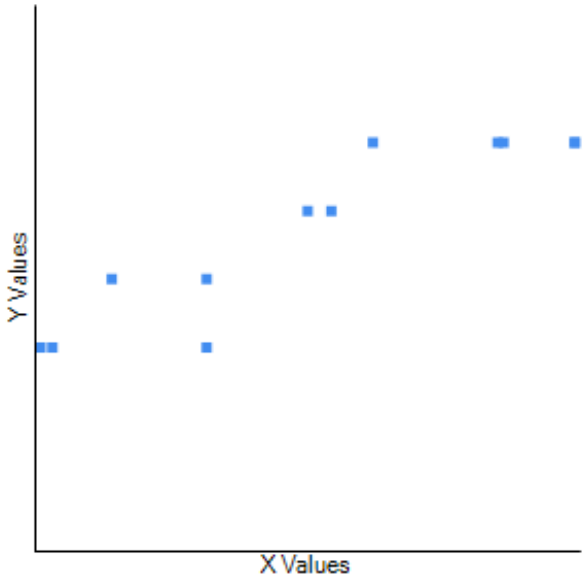


Fig. 205. Correlation between maximum temperature and rainy days in Kirkwood.

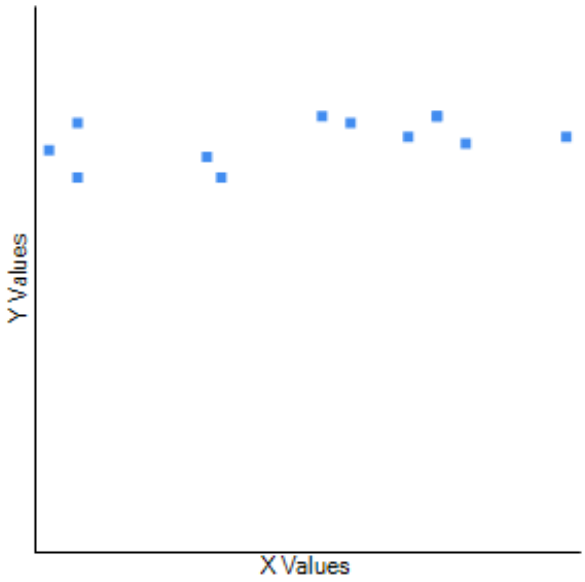


Fig. 206. Marginal correlation between precipitation and humidity in Kirkwood.

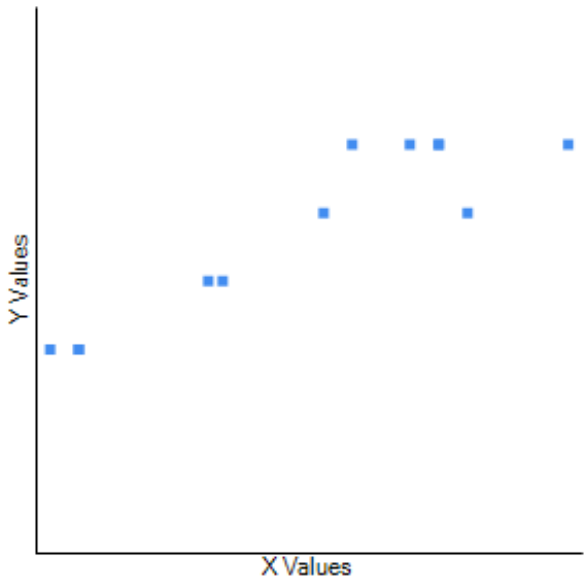


Fig. 207. Correlation between precipitation and rainy days in Kirkwood.

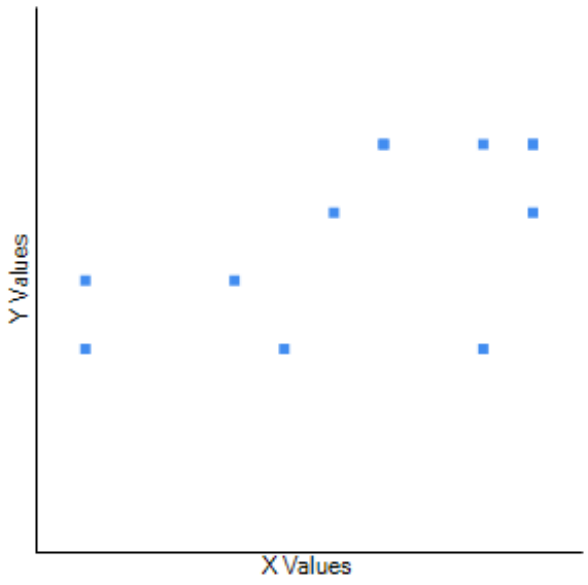


Fig. 208. Correlation between humidity and rainy days in Kirkwood.

Cape Town

Average temperature was correlated with minimum temperature (Fig. 209: r=0.9997, r^2=0.9994, n=12, p<0.00001), maximum temperature (Fig. 210: r=0.9995, r^2=0.999, n=12, p<0.00001), precipitation (Fig. 211: r=0.9067, r^2=-0.8221, n=12, p=0.000048), humidity (Fig. 212: r=-0.5814, r^2=0.338, n=12, p=0.047391), rainy days (Fig. 213: r=-0.962, r^2=0.9254, n=12, p=0.000024), and average sun hours (Fig. 214: r=0.8689, r^2=0.755, n=12, p=0.000244). Minimum temperature was correlated with maximum temperature (Fig. 215: r=0.9992, r^2=0.9984, n=12, p<0.00001), precipitation (Fig. 216: r=-0.9052, r^2=0.8194, n=12, p=0.000051), humidity (Fig. 217: r=-0.5678, r^2=0.3224, n=12, p=0.05413), rainy days (Fig. 218: r=-0.962, r^2=0.9254, n=12, p<0.000001), and average sun hours (Fig. 219: r=0.8689, r^2=0.755, n=12, p=0.000338). Maximum temperature was correlated with precipitation (Fig. 220: r=-0.9127, r^2=0.833, n=12, p=0.000034), humidity (Fig. 221: r=-0.5833, r^2=0.3402, n=12, p=0.046499), rainy days (Fig. 223: r=-0.9676, r^2=0.9362, n=12, p=0.000016), and average sun hours (Fig. 224: r=0.8676, r^2=0.7527, n=12, p=0.000255). Precipitation was correlated with humidity (Fig. 225: r=0.7499, r^2=0.5624, n=12, p=0.004974), rainy days (Fig. 226: r=0.9403, r^2=0.8842, n=12, p<0.00001), and average sun hours (Fig. 227: r=-0.9083, r^2=0.825, n=12, p=0.000044). Humidity was correlated with rainy days (Fig. 228: r=0.6999, r^2=0.4899, n=12, p=0.011274) and average sun hours (Fig. 229: r=-0.8816, r^2=0.7772, n=12, p=0.00015). Rainy days were correlated to average sun hours (Fig. 230: r=-0.9021, r^2=0.8138, n=12, p=0.00006).

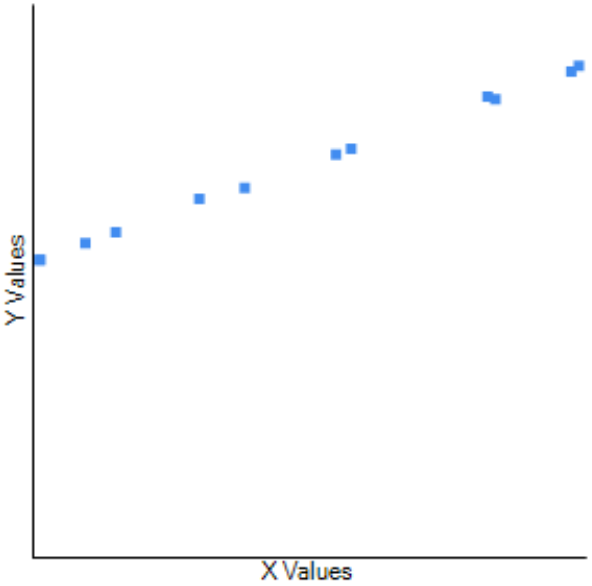


Fig. 209. Correlation between average temperature and minimum temperature in Cape Town.

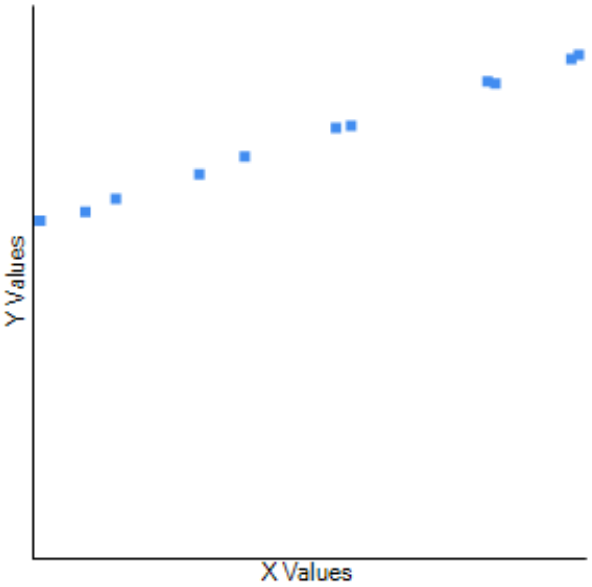


Fig. 210. Correlation between average and maximum temperature in Cape Town.

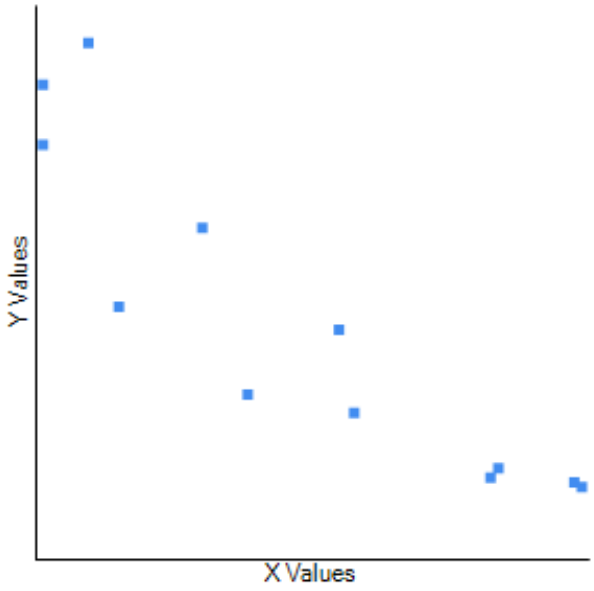


Fig. 211. Correlation between average temperature and precipitation in Cape Town.

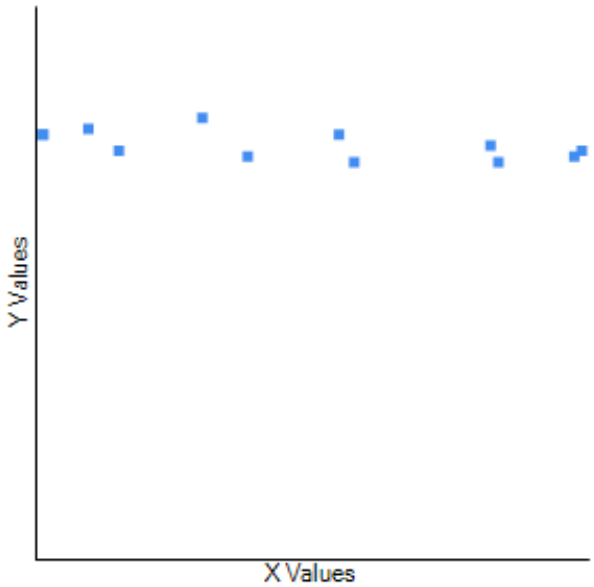


Fig. 212. Correlation between average temperature and humidity in Cape Town.

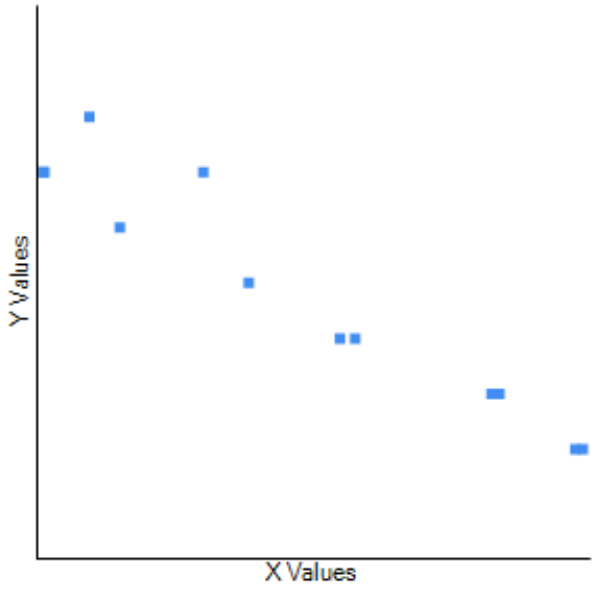


Fig. 213. Correlation between average temperature and rainy days in Cape Town.

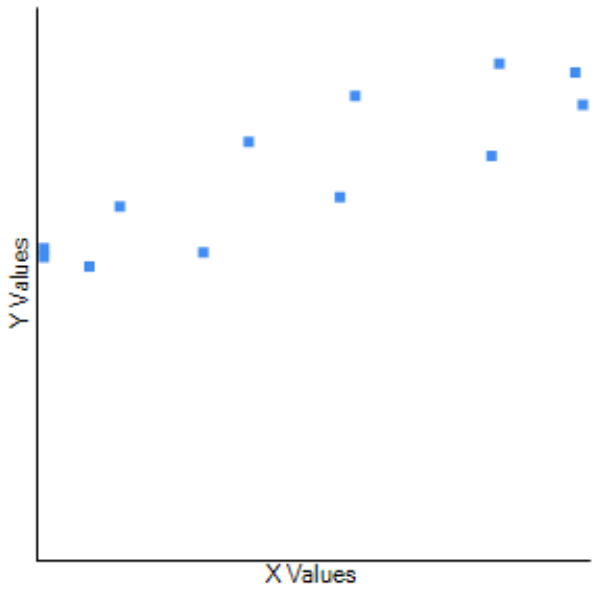


Fig. 214. Correlation between average temperature and average sun hours in Cape Town.

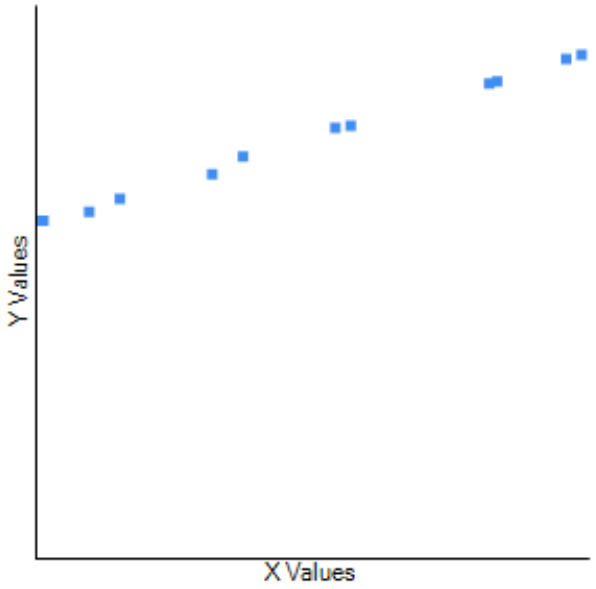


Fig. 215. Correlation between minimum and maximum temperature in Cape Town.

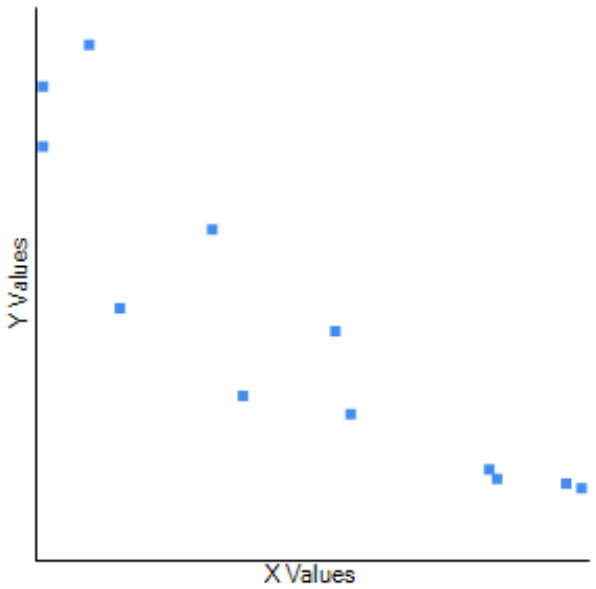


Fig. 216. Correlation between minimum temperature and precipitation in Cape Town.

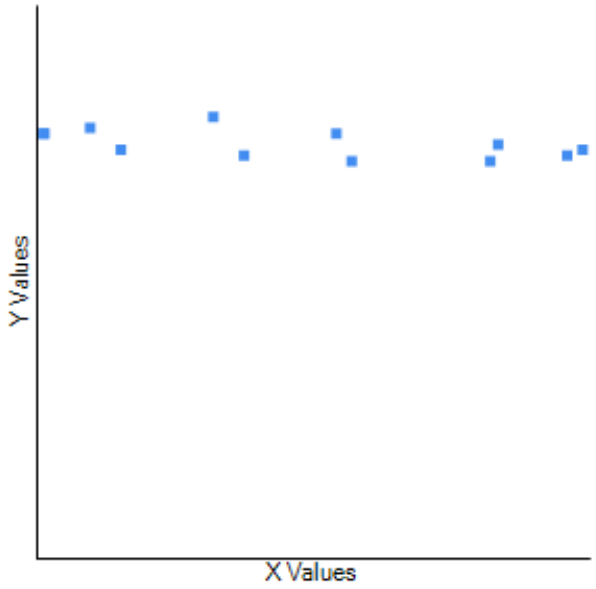


Fig. 217. Correlation between minimum temperature and humidity in Cape Town.

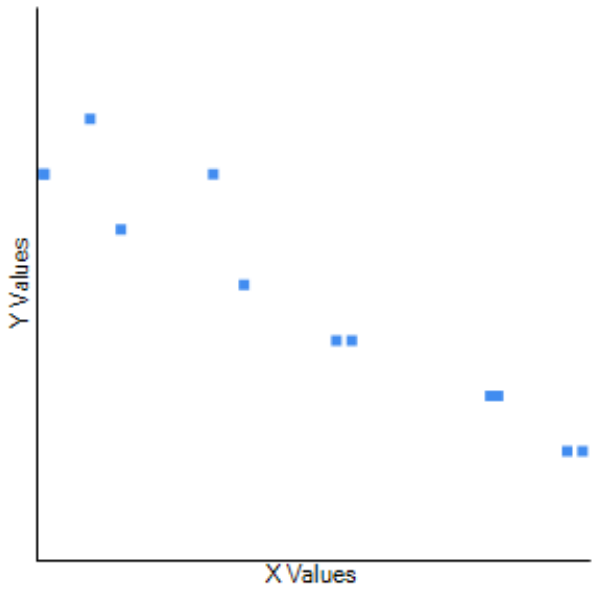


Fig. 218. Correlation between minimum temperature and rainy days in Cape Town.

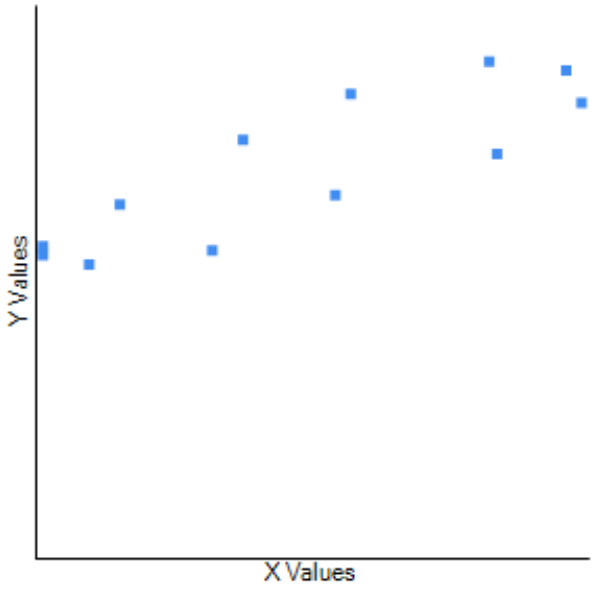


Fig. 219. Correlation between minimum temperature and average sun hours in Cape Town

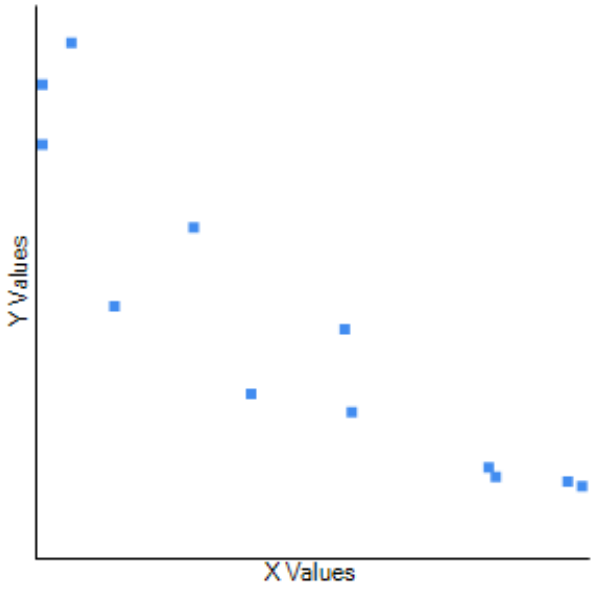


Fig. 220. Correlation between maximum temperature and precipitation in Cape Town.

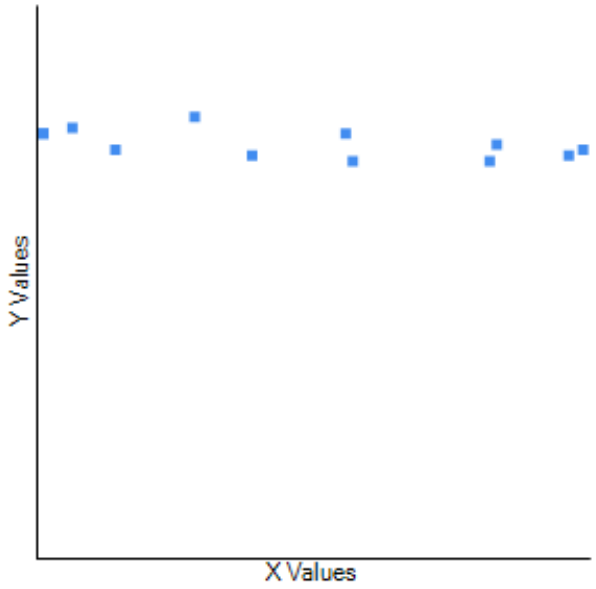


Fig. 221. Correlation between maximum temperature and humidity in Cape Town.

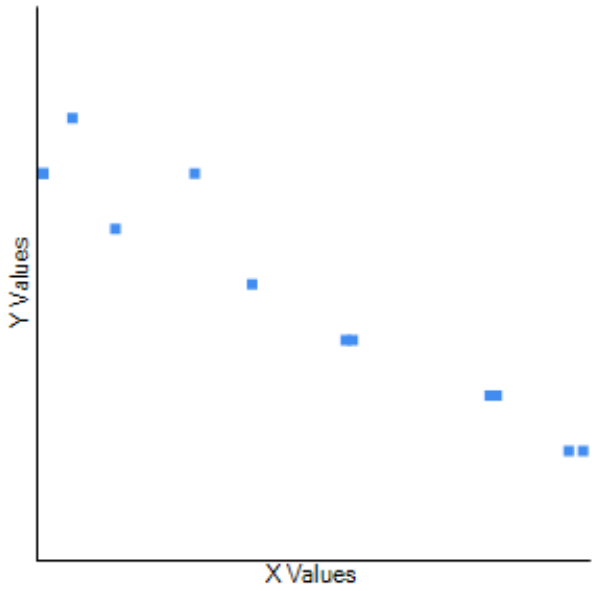


Fig. 222. Correlation between maximum temperature and rainy days in Cape Town.

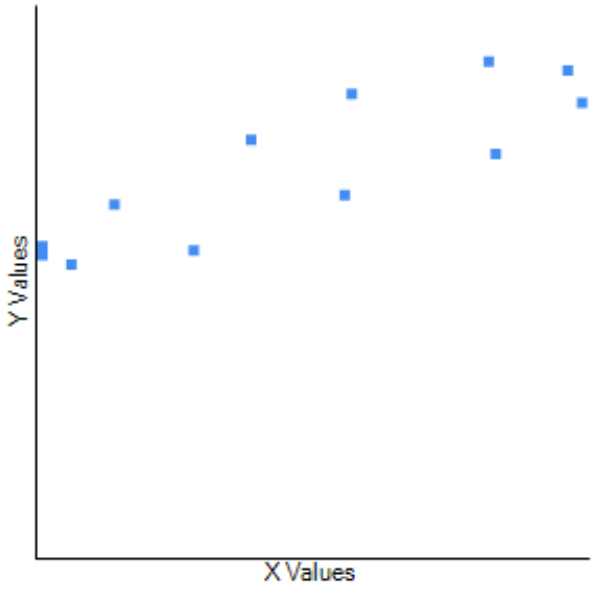


Fig. 223. Correlation between maximum temperature and average sun hours in Cape Town.

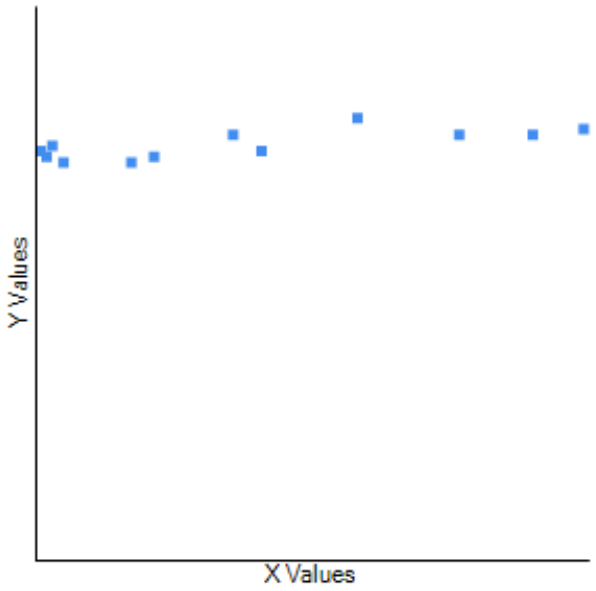


Fig. 224. Correlation between precipitation and humidity in Cape Town.

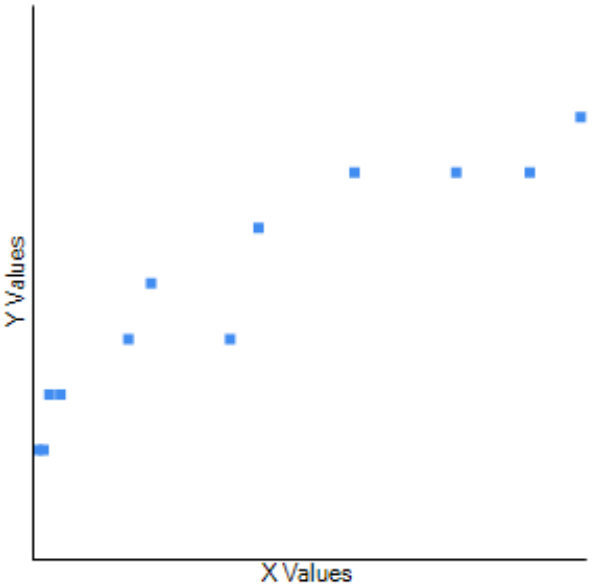


Fig. 225. Correlation between precipitation and rainy days in Cape Town.

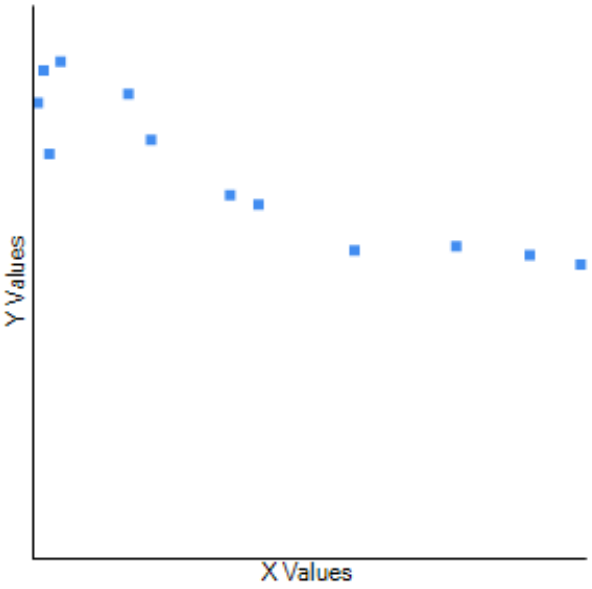


Fig. 226. Correlation between precipitation and average sun hours in Cape Town.

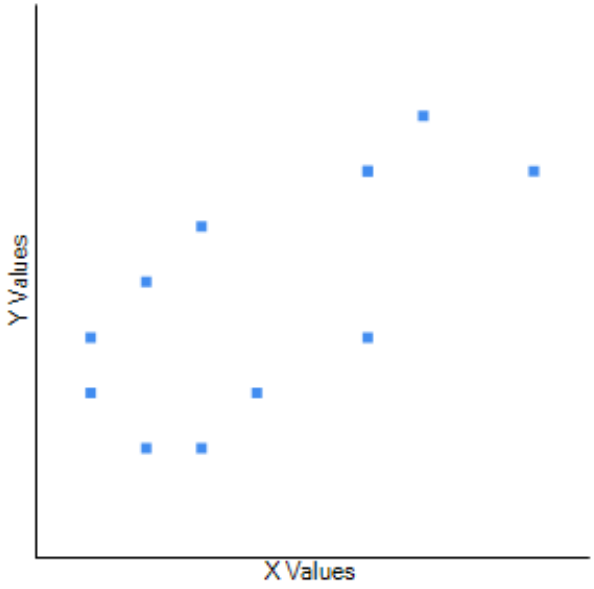


Fig. 227. Correlation between humidity and rainy days in Cape Town.

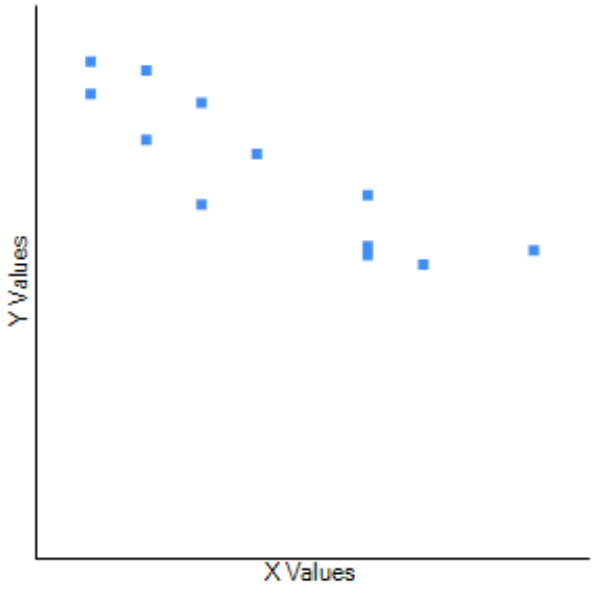


Fig. 228. Correlation between humidity and average sun hours in Cape Town.

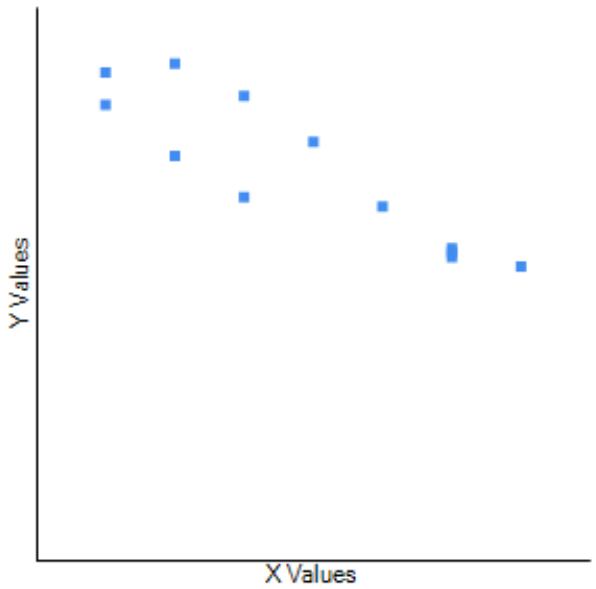


Fig. 229. Correlation between rainy days and average sun hours in Cape Town.

Kei Road

Average temperature was correlated with minimum temperature (Fig. 230: r=0.9988, r^2=0.9976, n=12, p<0.00001), maximum temperature (Fig. 231: r=0.9953, r^2=0.9906, n=12, p<0.00001), precipitation (Fig. 232: r=0.9476, r^2=-0.8979, n=12, p<0.00001), humidity (Fig. 233: r=0.9671, r^2=0.9353, n=12, p<0.00001), rainy days (Fig. 234: r=0.9392, r^2=0.8821, n=12, p<0.00001), and average sun hours (Fig. 235: r=-0.965, r^2=0.9312, n=12, p<0.00001). Minimum temperature was correlated with maximum temperature (Fig. 236: r=0.9904, r^2=0.9809, n=12, p<0.00001), precipitation (Fig. 237: r=0.9386, r^2=0.881, n=12, p<0.00001), humidity (Fig. 238: r=0.972, r^2=0.9448, n=12, p<0.00001), rainy days (Fig. 239: r=0.9276, r^2=0.8604, n=12, p=0.000014), and average sun hours (Fig. 240: r=-0.962, r^2=0.9254, n=12, p<0.00001). Maximum temperature was correlated with precipitation (Fig. 241: r=0.9463, r^2=0.8955, n=12, p<0.00001), humidity (Fig. 242: r=0.951, r^2=0.9044, n=12, p<0.00001), rainy days (Fig. 243: r=0.9396, r^2=0.9928, n=12, p<0.00001), and average sun hours (Fig. 244: r=0.9546, r^2=0.9113, n=12, p<0.00001). Precipitation was correlated with humidity (Fig. 245: r=0.9293, r^2=0.8636, n=12, p=0.000012), rainy days (Fig. 246: r=0.9822, r^2=0.9647, n=12, p<0.00001), and average sun hours (Fig. 247: r=-0.9551, r^2=0.9122, n=12, p<0.00001). Humidity was correlated with rainy days (Fig. 248: r=0.9256, r^2=0.8567, n=12, p=0.000016) and average sun hours (Fig. 249 r=-0.9153, r^2=0.8378, n=12, p=0.00003). Rainy days were correlated to average sun hours (Fig. 250: r=-0.9451, r^2=0.8932, n=12, p<0.00001).

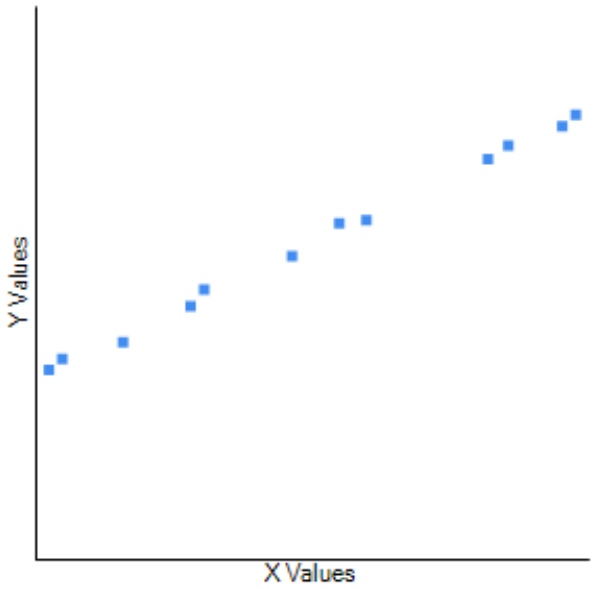


Fig. 230. Correlation between average temperature and minimum temperature in Kei Road.

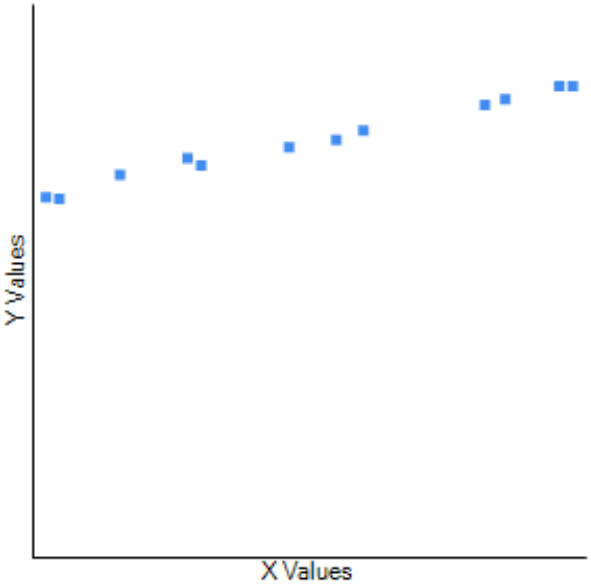


Fig. 231. Correlation between average and maximum temperature in Kei Road.

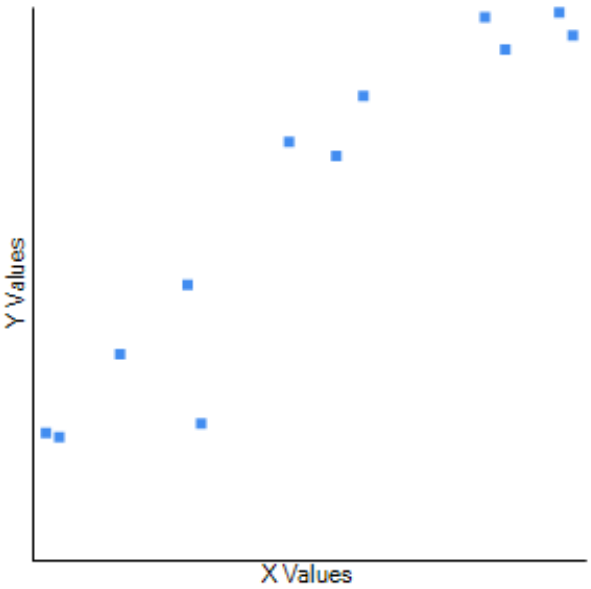


Fig. 232. Correlation between average temperature and precipitation in Kei Road.

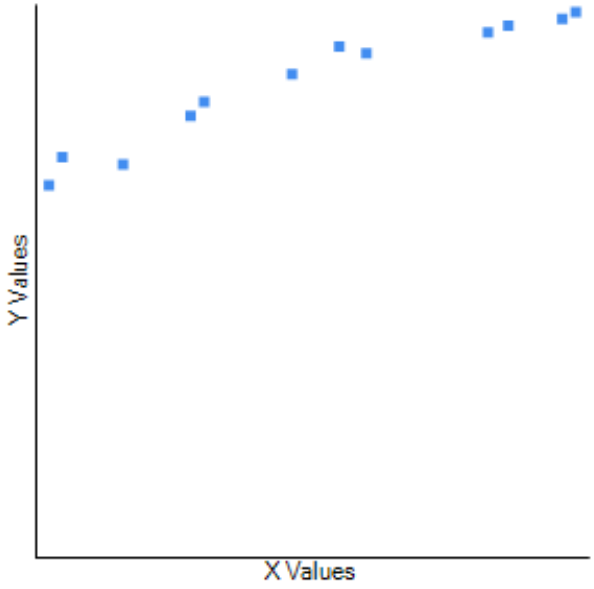


Fig. 233. Correlation between average temperature and humidity in Kei Road.

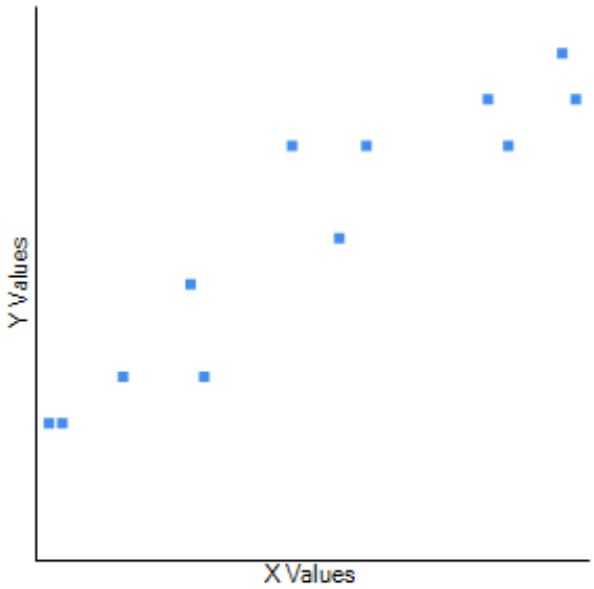


Fig. 234. Correlation between average temperature and rainy days in Kei Road.

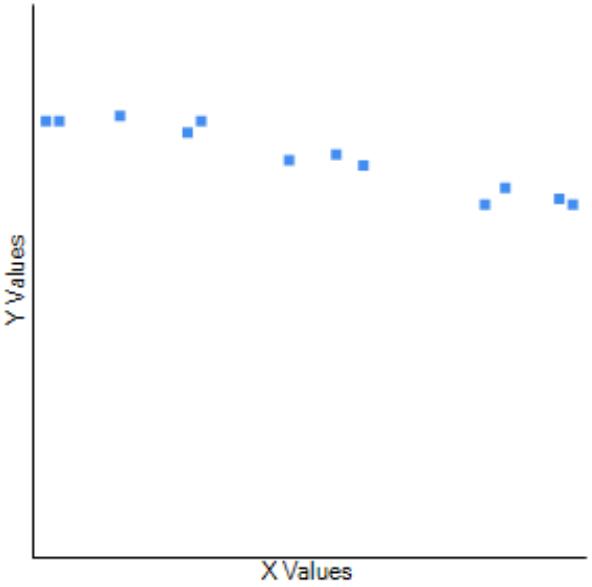


Fig. 235. Correlation between average temperature and average sun hours in Kei Road.

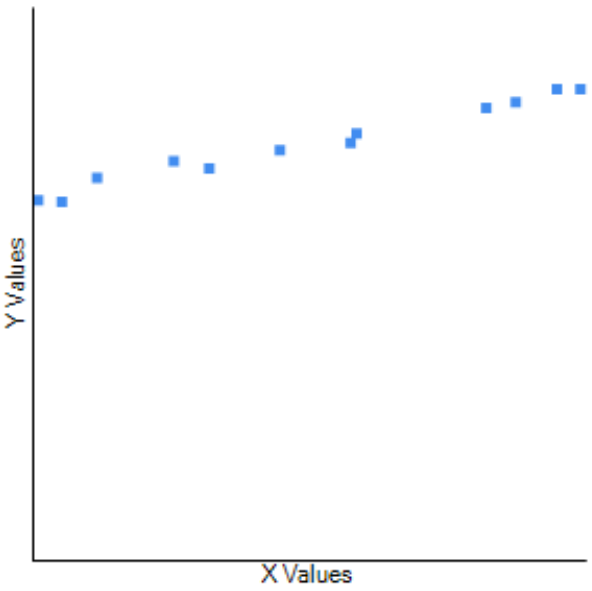


Fig. 236. Correlation between minimum and maximum temperature in Kei Road.

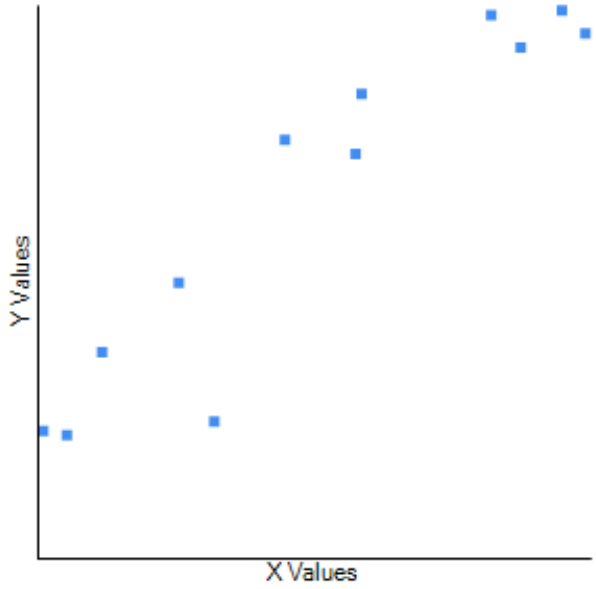


Fig. 237. Correlation between minimum temperature and precipitation in Kei Road.

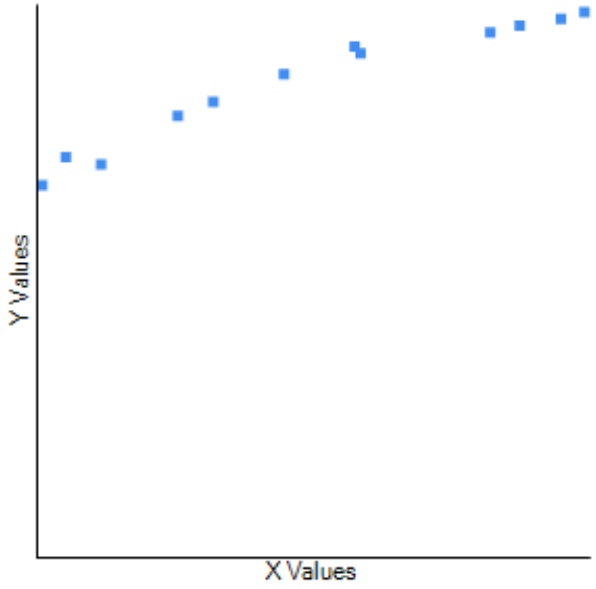


Fig. 238. Correlation between minimum temperature and humidity in Kei Road.

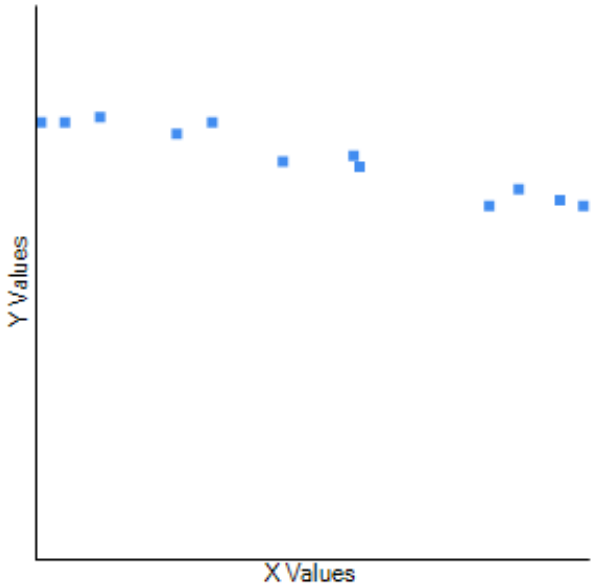


Fig. 240. Correlation between minimum temperature and average sun hours in Kei Road.

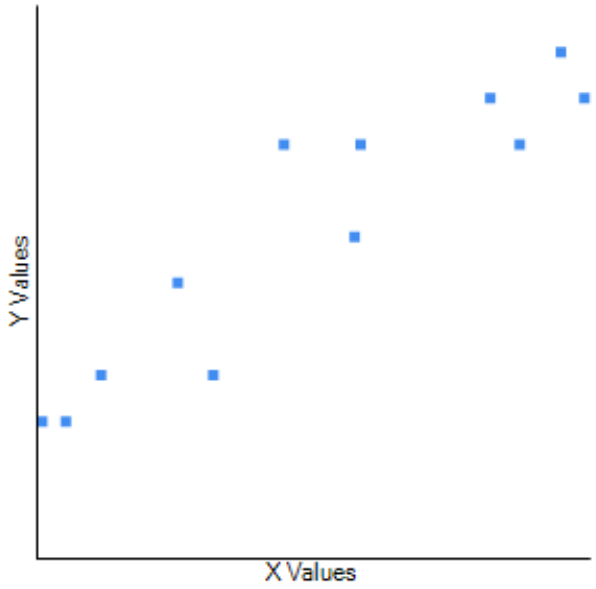


Fig. 239. Correlation between minimum temperature and rainy days in Kei Road.

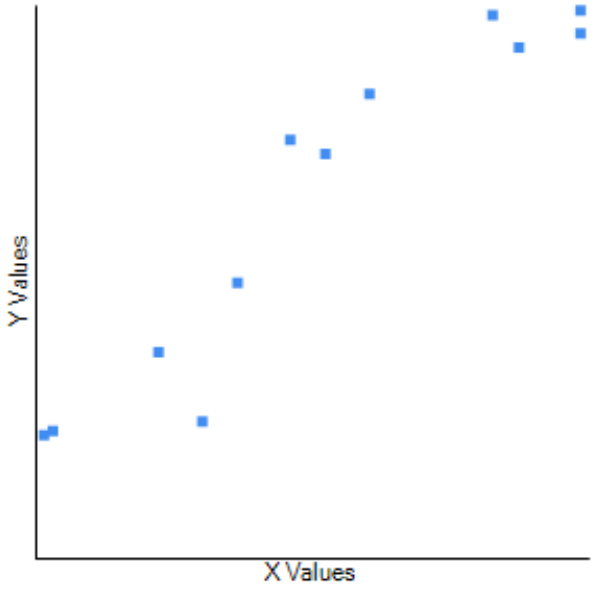


Fig. 241. Correlation between maximum temperature and precipitation in Kei Road.

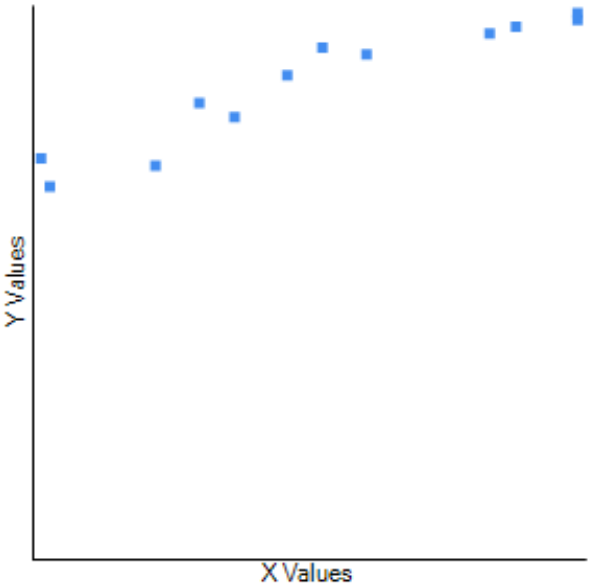


Fig. 242. Correlation between maximum temperature and humidity in Kei Road.

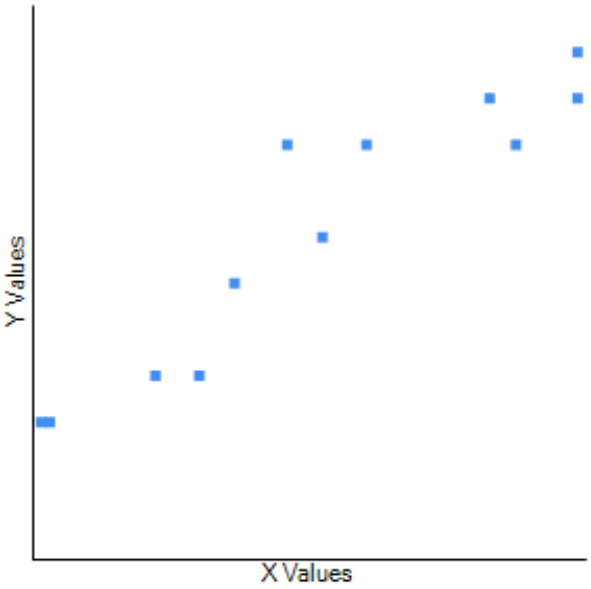


Fig. 243. Correlation between maximum temperature and rainy days in Kei Road.

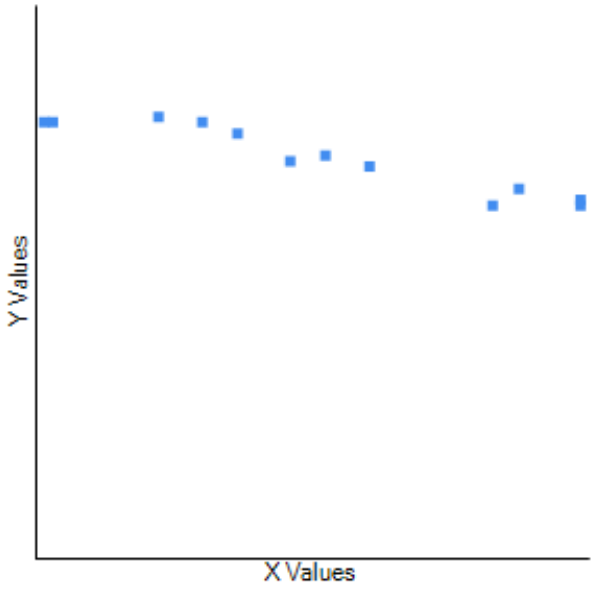


Fig. 244. Correlation between maximum temperature and average sun hours in Kei Road.

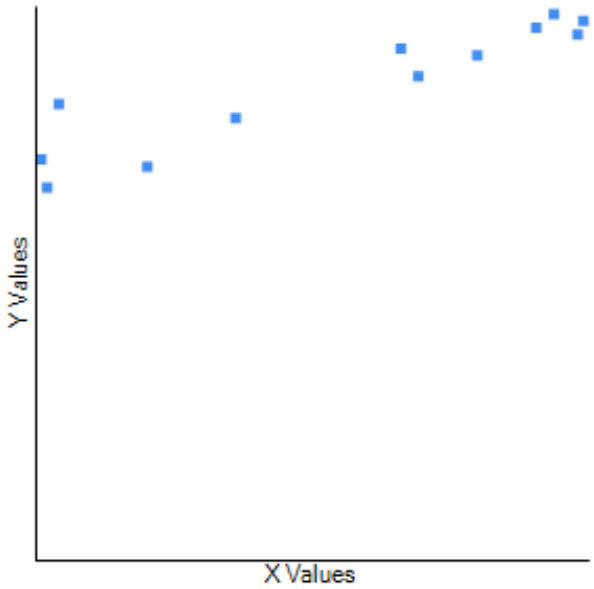


Fig. 245. Correlation between precipitation and humidity in Kei Road.

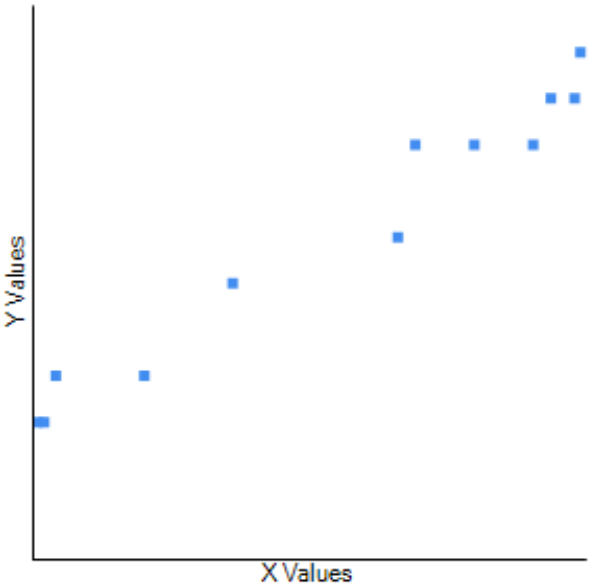


Fig. 246. Correlation between precipitation and rainy days in Kei Road.

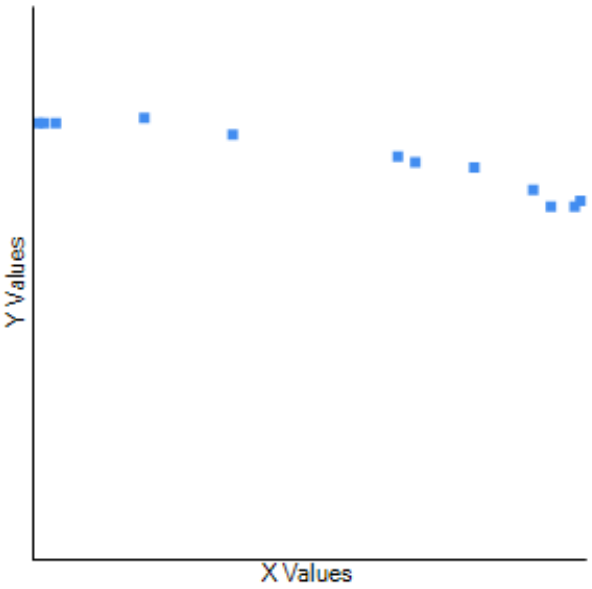


Fig. 247. Correlation between precipitation and average sun hours in Kei Road.

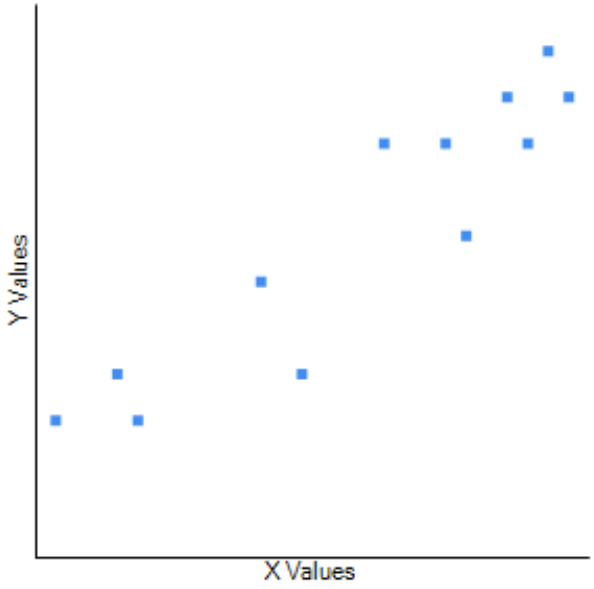


Fig. 248. Correlation between humidity and rainy days in Kei Road.

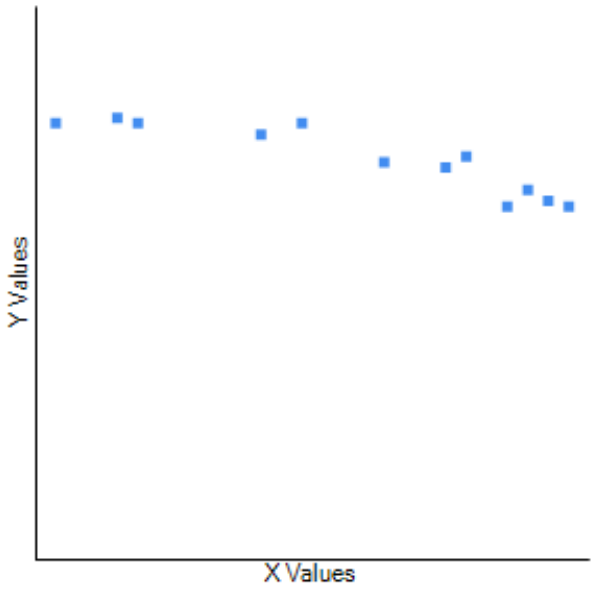


Fig. 249. Correlation between humidity and average sun hours in Kei Road.

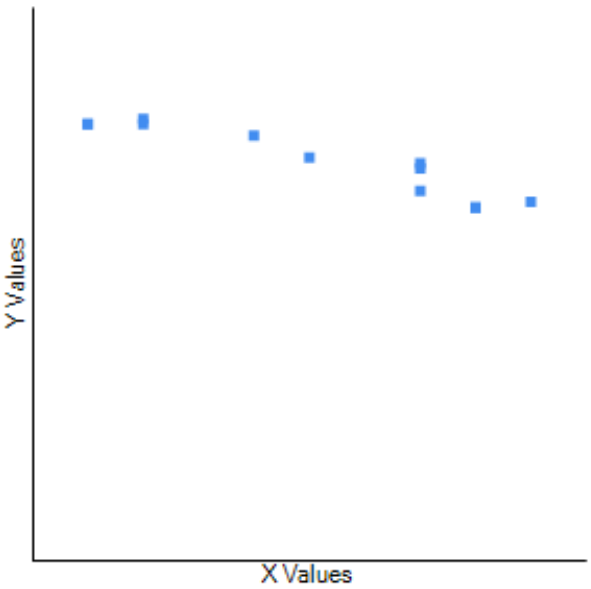


Fig. 250. Correlation between rainy days and average sun hours in Kei Road.

Port Shepstone

Average temperature was correlated with minimum temperature (Fig. 251: r=0.9967, r^2=0.9934, n=12, p<0.00001), maximum temperature (Fig. 252: r=0.9872, r^2=0.9746, n=12, p<0.00001), precipitation (Fig. 253: r=0.8265, r^2=0.6831, n=12, p=0.000918), humidity (Fig. 254: r=0.9410, r^2=0.8838, n=12, p<0.00001), rainy days (Fig. 255: r=0.8301, r^2=0.6891, n=12, p=0.000832), and average sun hours (Fig. 256: r=-0.6285, r^2=0.395, n=12, p=0.028606). Minimum temperature was correlated with maximum temperature (Fig. 257: r=0.9749, r^2=0.9504, n=12, p<0.00001), precipitation (Fig. 258: r=0.8581, r^2=0.7363, n=12, p=0.000355), humidity (Fig. 259: r=0.9627, r^2=0.9268, n=12, p<0.00001), rainy days (Fig. 260: r=0.8642, r^2=0.7468, n=12, p=0.000288), and average sun hours (Fig. 261: r=-0.6798, r^2=0.4621, n=12, p=0.015011). Maximum temperature was correlated with precipitation (Fig. 262: r=0.7355, r^2=0.541, n=12, p=0.006408), humidity (Fig. 263: r=0.8836, r^2=0.7807, n=12, p=0.000138), rainy days (Fig. 264: r=0.7438, r^2=0.5532, n=12, p=0.005548), and average sun hours (Fig. 265: r=-0.5122, r^2=0.2623, n=12, p=0.088662). Precipitation was correlated with humidity (Fig. 266: r=0.9295, r^2=0.864, n=12, p=0.000012), rainy days (Fig. 267: r=0.9829, r^2=0.9661, n=12, p<0.00001), and average sun hours (Fig. 268: r=-0.9116, r^2=0.831, n=12, p=0.000037). Humidity was correlated with rainy days (Fig. 269: r=0.9351, r^2=0.8744, n=12, p<0.00001) and average sun hours (Fig. 270: r=-0.8178, r^2=0.6688, n=12, p=0.001154). Rainy days were correlated to average sun hours (Fig. 271: r=-0.9371, r^2=0.8782, n=12, p<0.00001).

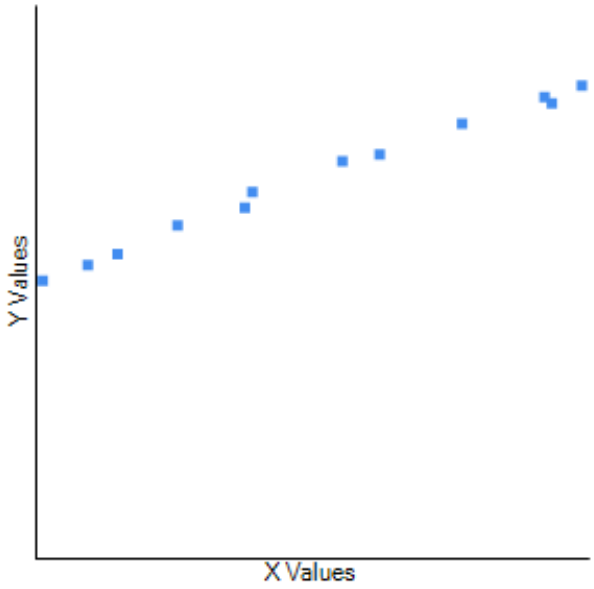


Fig. 251. Correlation between average temperature and minimum temperature in Port Shepstone.

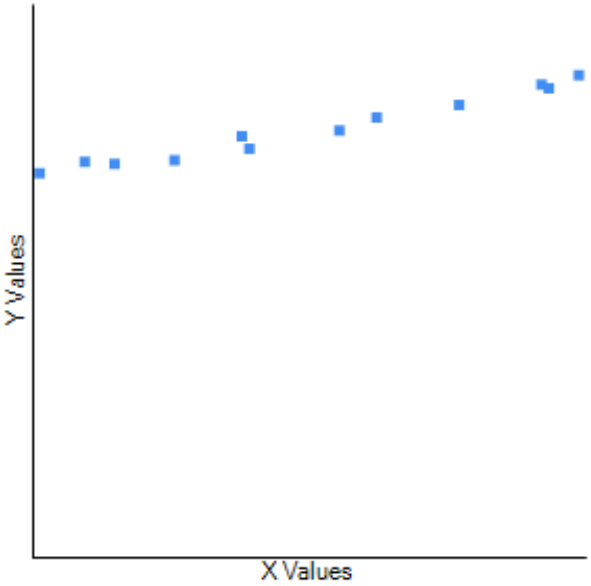


Fig. 252. Correlation between average and maximum temperature in Port Shepstone.

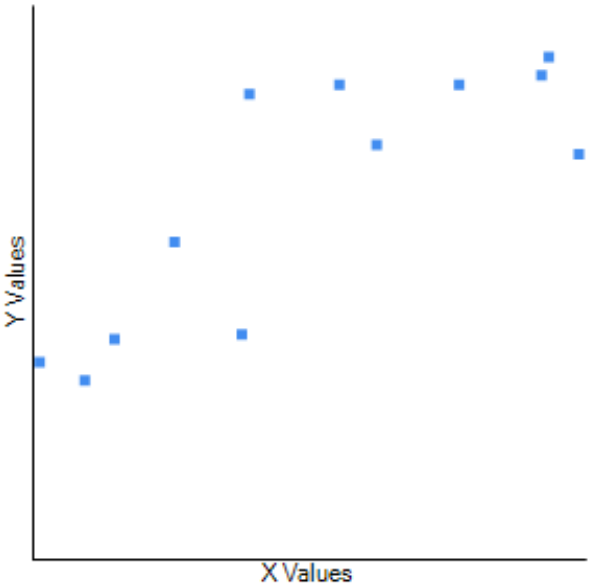


Fig. 253. Correlation between average temperature and precipitation in Port Shepstone.

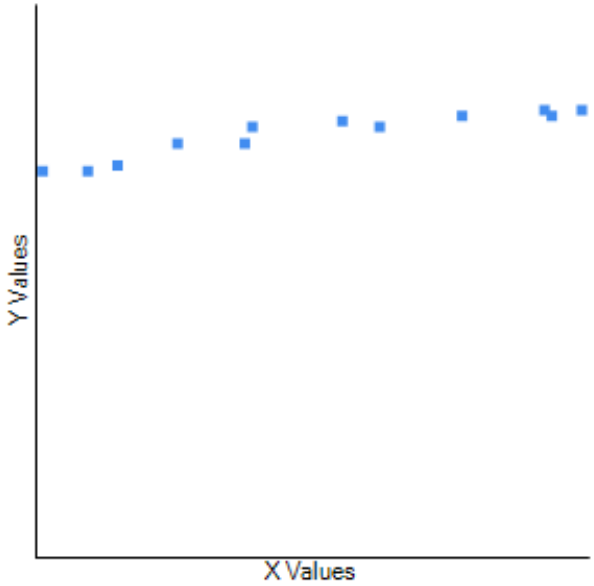


Fig. 254. Correlation between average temperature and humidity in Port Shepstone.

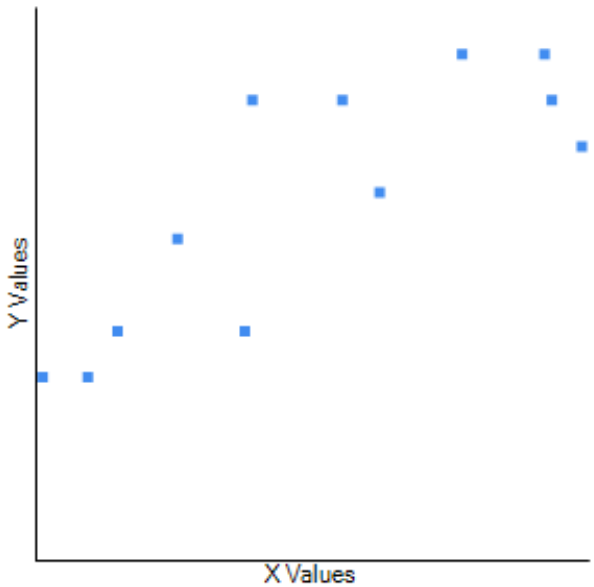


Fig. 255. Correlation between average temperature and rainy days in Port Shepstone.

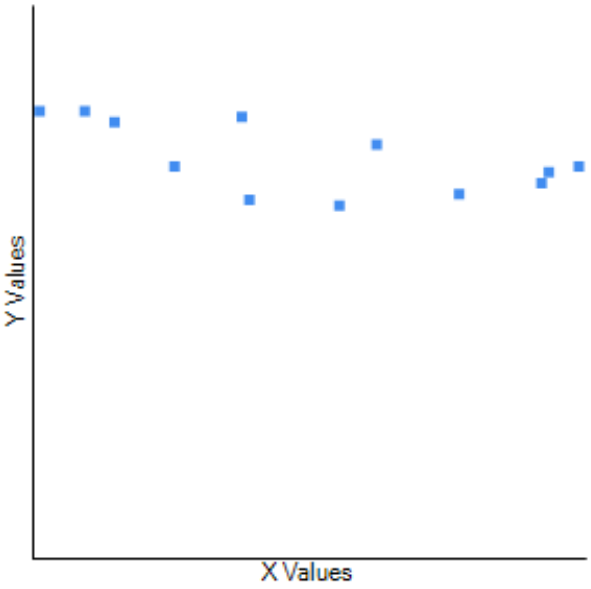


Fig. 256. Correlation between average temperature and average sun hours in Port Shepstone.

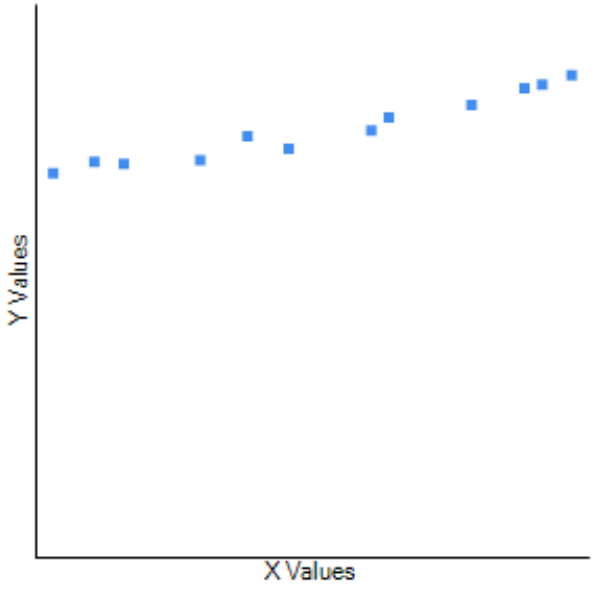


Fig. 257. Correlation between minimum and maximum temperature in Port Shepstone.

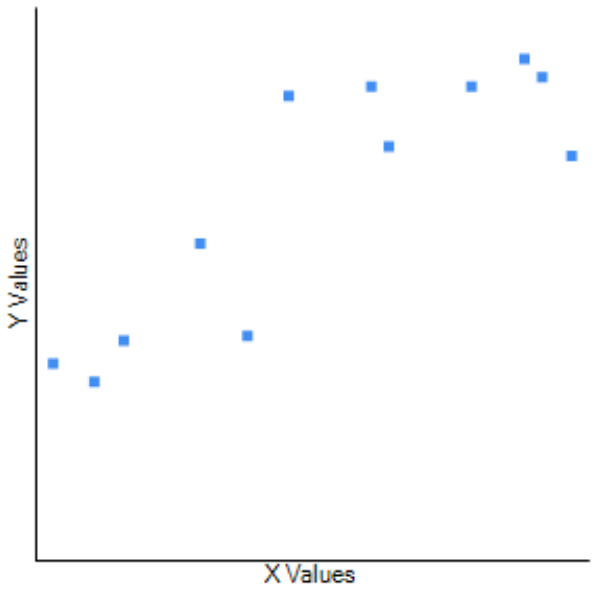


Fig. 258. Correlation between minimum temperature and precipitation in Port Shepstone.

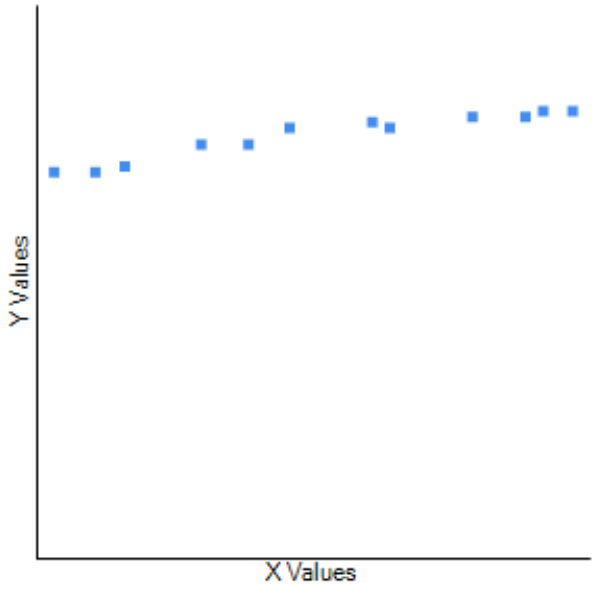


Fig. 259. Correlation between minimum temperature and humidity in Port Shepstone.

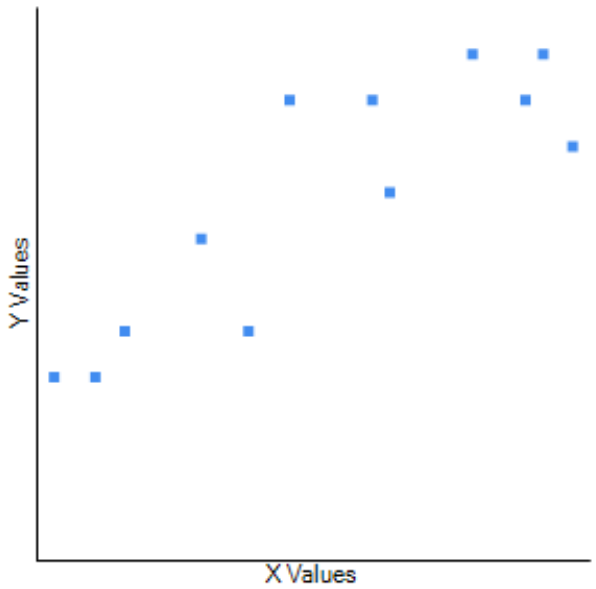


Fig. 260. Correlation between minimum temperature and rainy days in Port Shepstone.

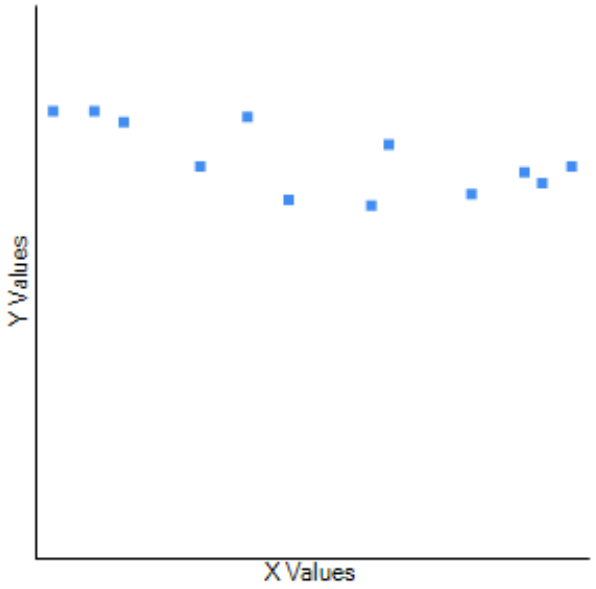


Fig. 261. Correlation between minimum temperature and average sun hours in Port Shepstone.

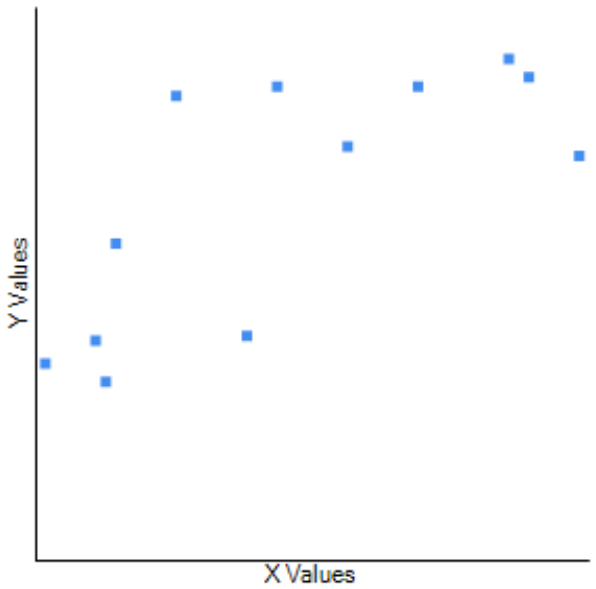


Fig. 262. Correlation between maximum temperature and precipitation in Port Shepstone.

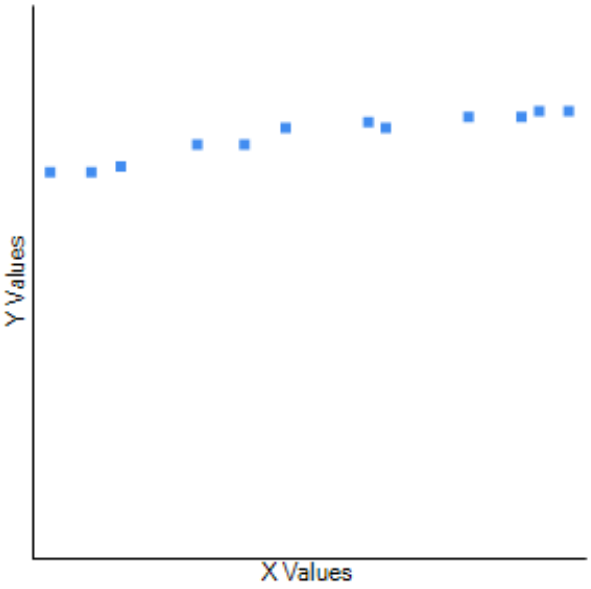


Fig. 263. Correlation between maximum temperature and humidity in Port Shepstone.

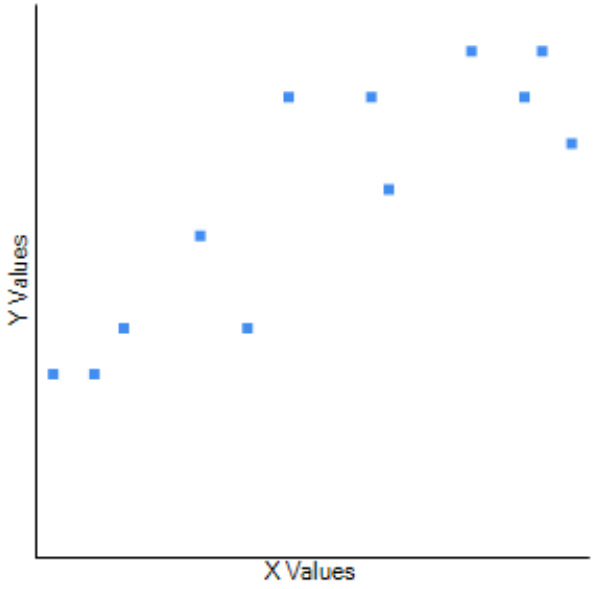


Fig. 264. Correlation between maximum temperature and rainy days in Port Shepstone.

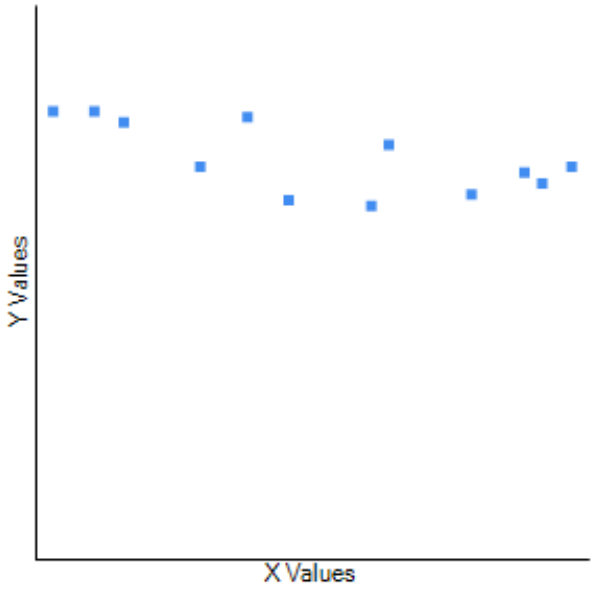


Fig. 265. Correlation between maximum temperature and average sun hours in Port Shepstone.

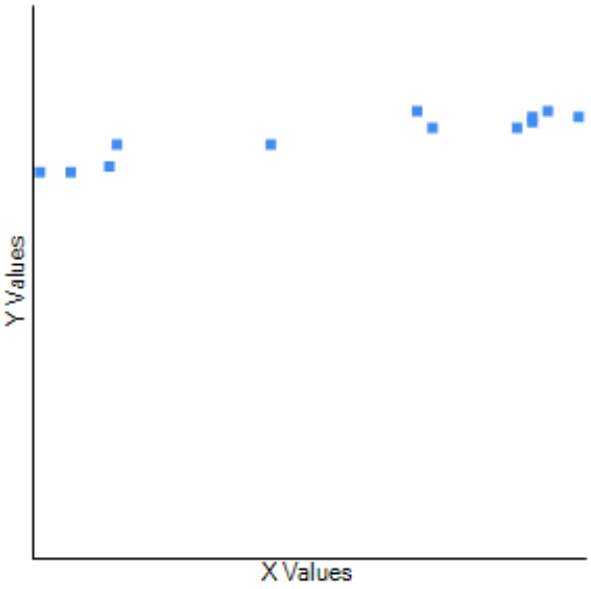


Fig. 266. Correlation between precipitation and humidity in Port Shepstone.

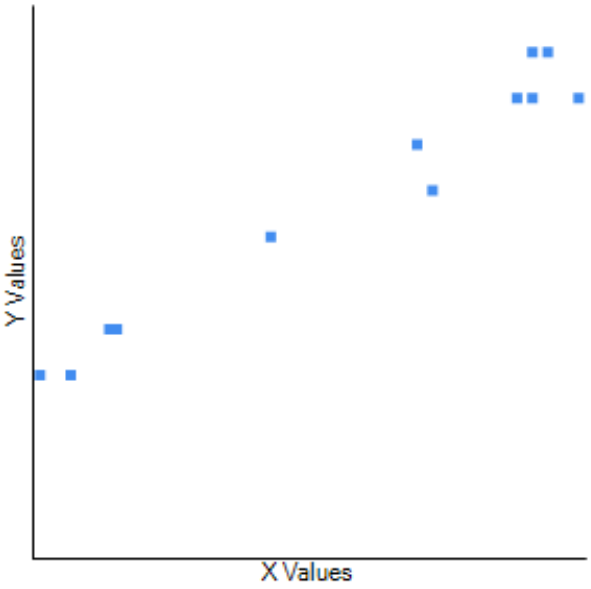


Fig. 267. Correlation between precipitation and rainy days in Port Shepstone.

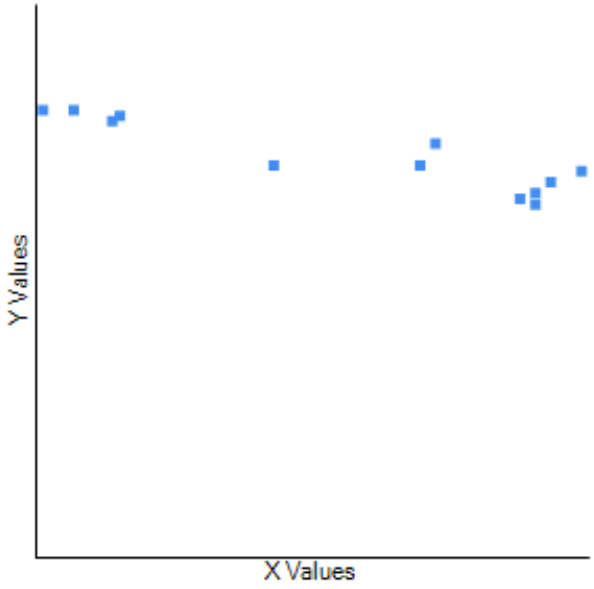


Fig. 268. Correlation between precipitation and average sun hours in Port Shepstone.

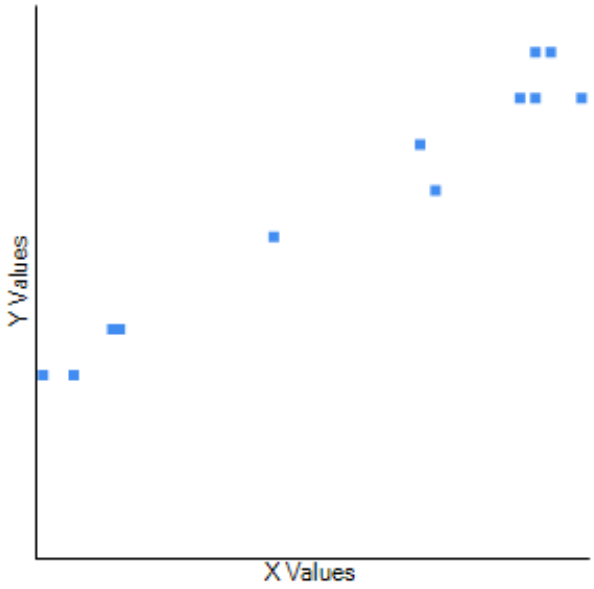


Fig. 269. Correlation between humidity and rainy days in Port Shepstone.

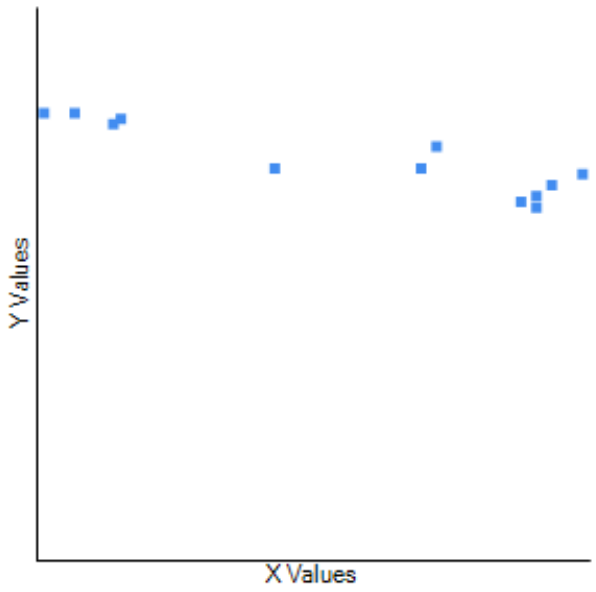


Fig. 270. Correlation between humidity and average sun hours in Port Shepstone.

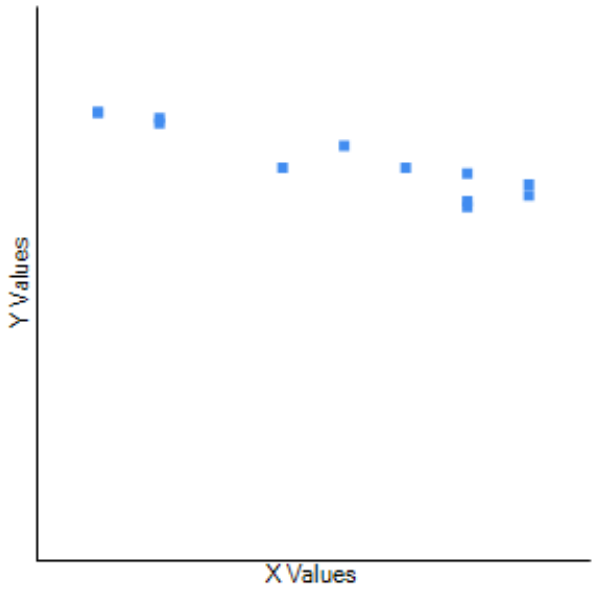


Fig. 271. Correlation between rainy days and average sun hours in Port Shepstone.

Hluhluwe

Average temperature was correlated with minimum temperature (Fig. 272: r=0.9988, r^2=0.9976, n=12, p<0.00001), maximum temperature (Fig. 273: r=0.998, r^2=0.996, n=12, p<0.00001), precipitation (Fig. 274: r=0.9114, r^2=0.8306, n=12, p=0.000037), humidity (Fig. 275: r=0.9488, r^2=0.9002, n=12, p<0.00001), rainy days (Fig. 276: r=0.91, r^2=0.8281, n=12, p=0.00004), and average sun hours (Fig. 277: r=-0.3233, r^2=0.1045, n=12, p=0.305338). Minimum temperature was correlated with maximum temperature (Fig. 278: r=0.9945, r^2=0.989, n=12, p<0.00001), precipitation (Fig. 279: r=0.9169, r^2=0.8407, n=12, p=0.000027), humidity Fig. 280: r=0.9587, r^2=0.9191, n=12, p<0.00001), rainy days (Fig. 281: r=0.9155, r^2=0.8381, n=12, p=0.000029), but not average sun hours (Fig. 282: r=-0.3322, r^2=0.1104, n=12, p=0.291436). Maximum temperature was correlated with precipitation (Fig. 283: r=0.8996, r^2=0.8093, n=12, p=0.000068), humidity (Fig. 284: r=0.9338, r^2=0.872, n=12, p<0.00001), rainy days (Fig. 285: r=0.8966, r^2=0.8039, n=12, p=0.000078), but not average sun hours (Fig. 286: r=-0.2975, r^2=0.0855, n=12, p=0.347671). Precipitation was correlated with humidity (Fig. 287: r=0.9438, r^2=0.8908, n=12, p<0.00001), rainy days (Fig. 288: r=0.9816, r^2=0.9635, n=12, p<0.00001), and average sun hours (Fig. 289: r=-0.6156, r^2=0.379, n=12, p=0.033091). Humidity was correlated with rainy days (Fig. 290: r=0.9287, r^2=0.8625, n=12, p=0.000013) but not average sun hours (Fig. 291 r=-0.466, r^2=0.2172, n=12, p=0.0012678). Rainy days were marginally correlated to average sun hours (Fig. 292: r=-0.5647, r^2=0.3189, n=12, p=0.055755).

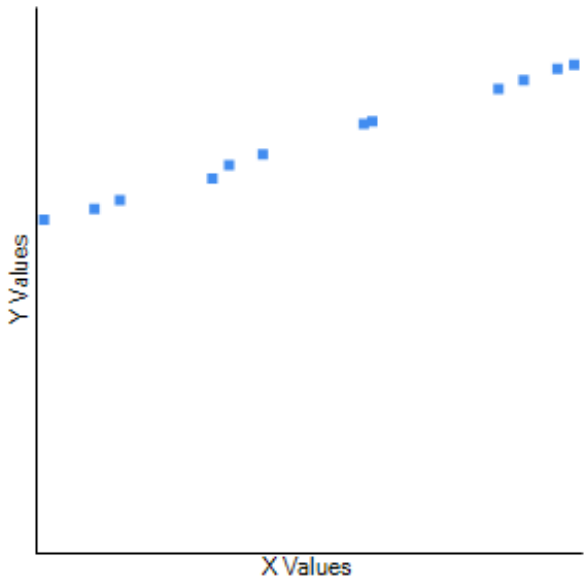


Fig. 272. Correlation between average temperature and minimum temperature in Hluhluwe.

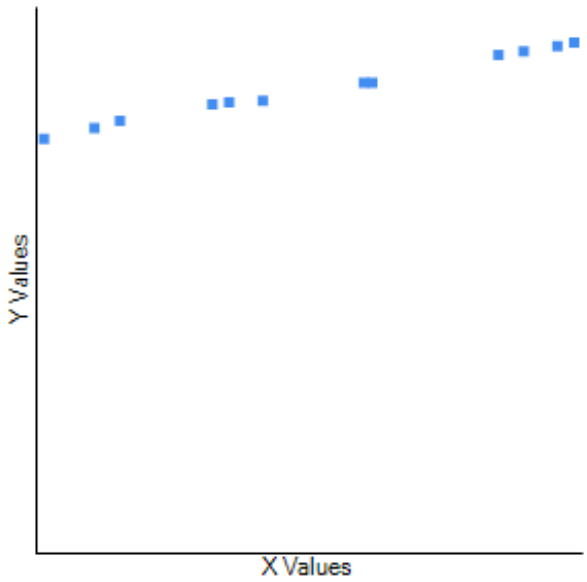


Fig. 273. Correlation between average and maximum temperature in Hluhluwe.

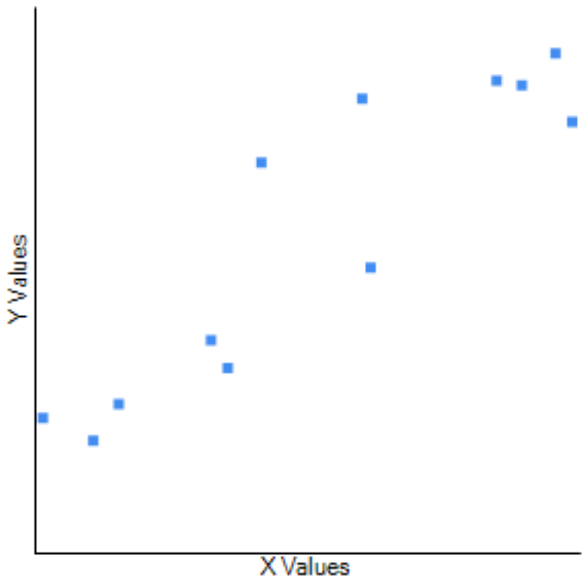


Fig. 274. Correlation between average temperature and precipitation in Hluhluwe.

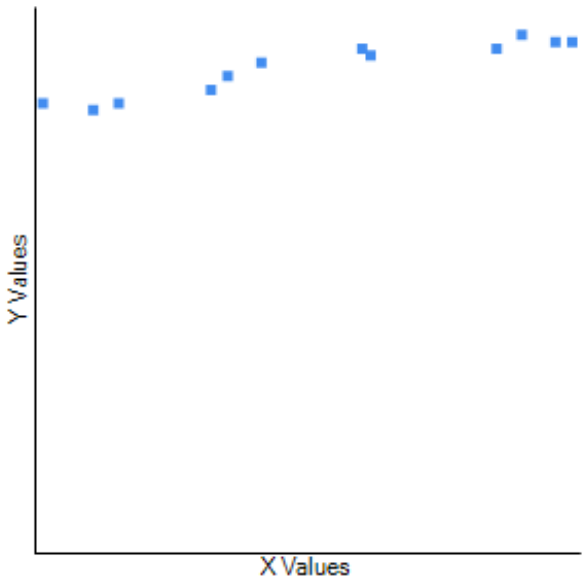


Fig. 275. Correlation between average temperature and humidity in Hluhluwe.

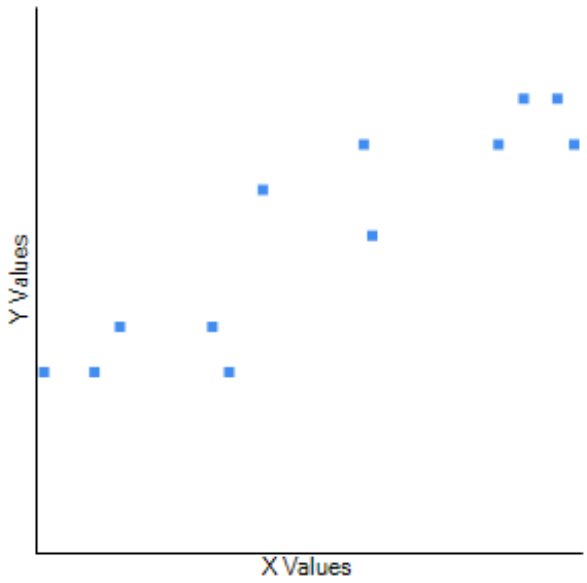


Fig. 276. Correlation between average temperature and rainy days in Hluhluwe.

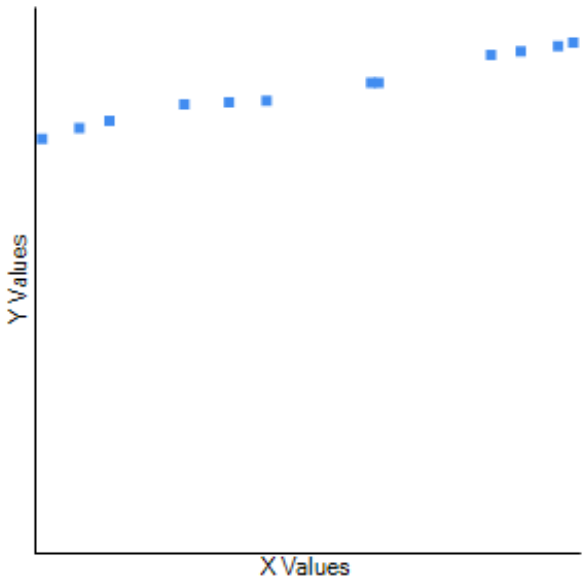


Fig. 278. Correlation between minimum and maximum temperature in Hluhluwe.

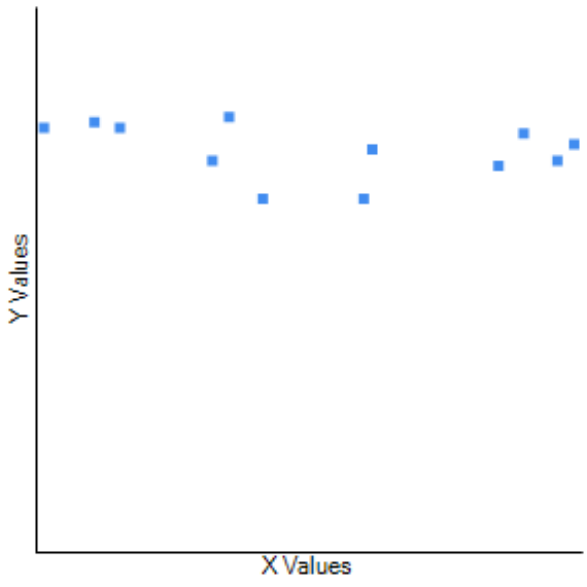


Fig. 277. Correlation between average temperature and average sun hours in Hluhluwe.

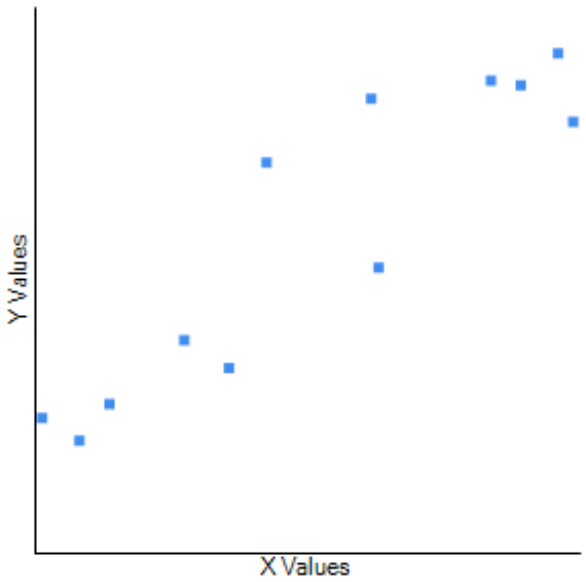


Fig. 279. Correlation between minimum temperature and precipitation in Hluhluwe.

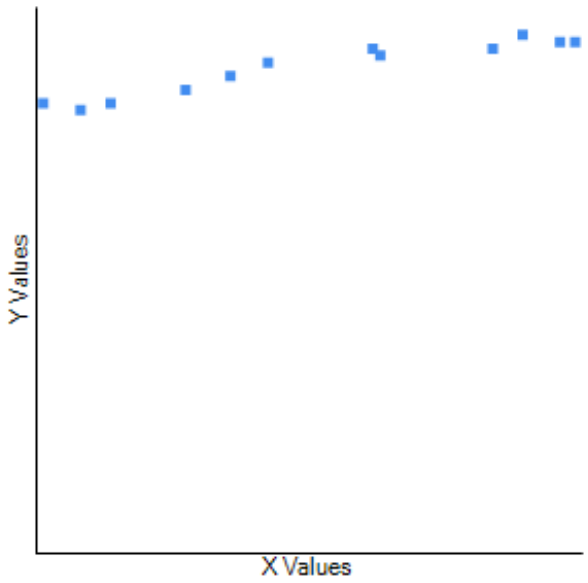


Fig. 280. Correlation between minimum temperature and humidity in Hluhluwe.

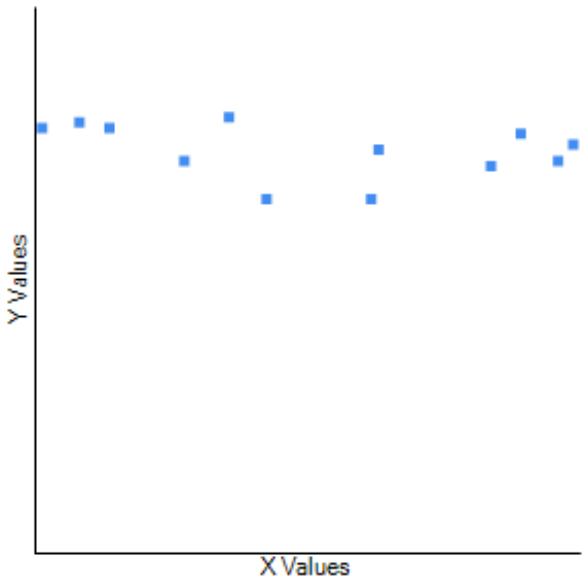


Fig. 282. Correlation between minimum temperature and average sun hours in Hluhluwe.

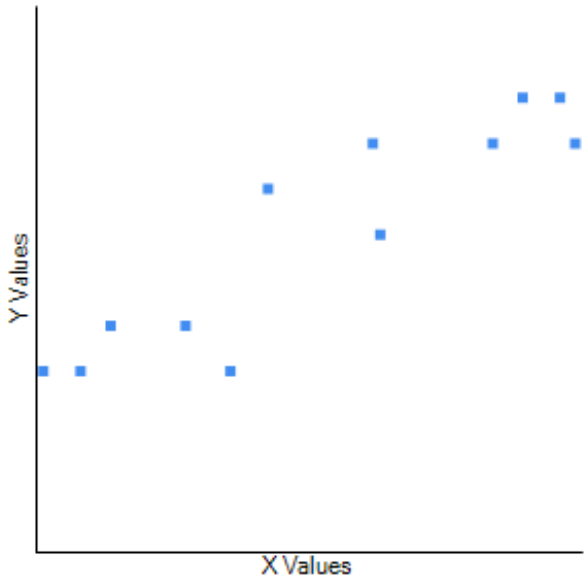


Fig. 281. Correlation between minimum temperature and rainy days in Hluhluwe.

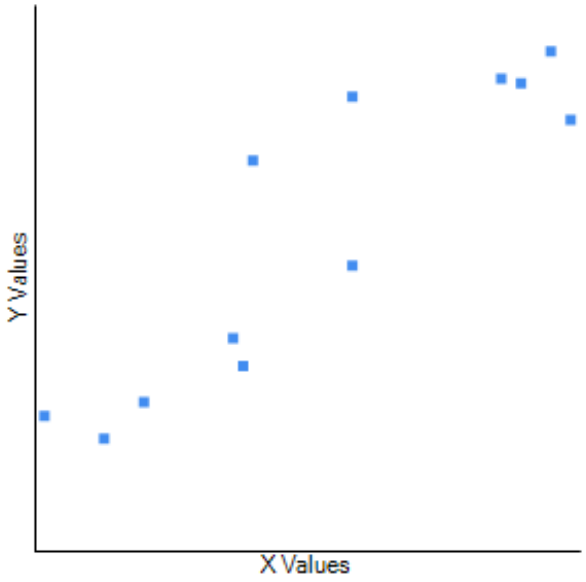


Fig. 283. Correlation between maximum temperature and precipitation in Hluhluwe.

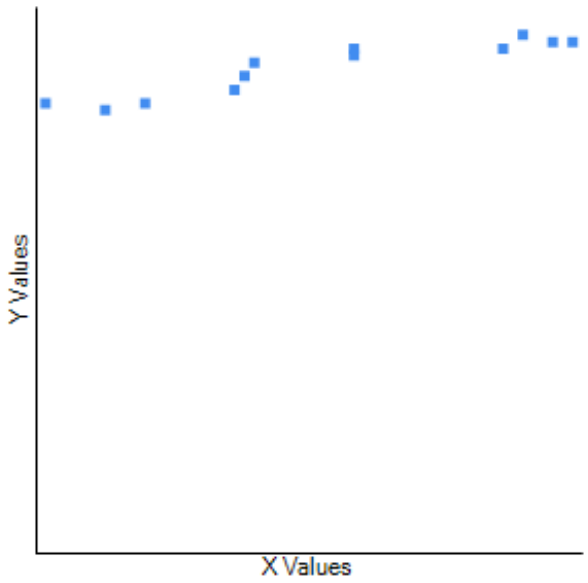


Fig. 284. Correlation between maximum temperature and humidity in Hluhluwe.

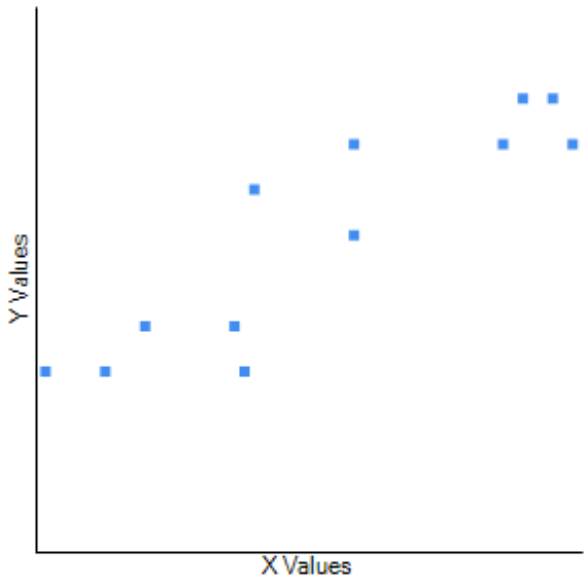


Fig. 285. Correlation between maximum temperature and rainy days in Hluhluwe.

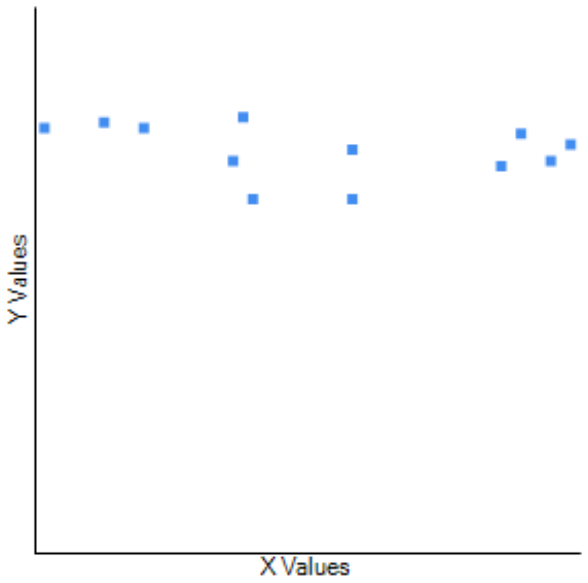


Fig. 286. Correlation between maximum temperature and average sun hours in Hluhluwe.

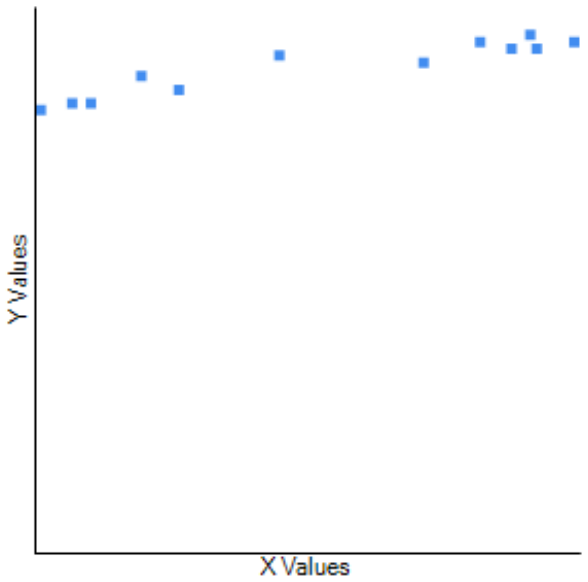


Fig. 287. Correlation between precipitation and humidity in Hluhluwe.

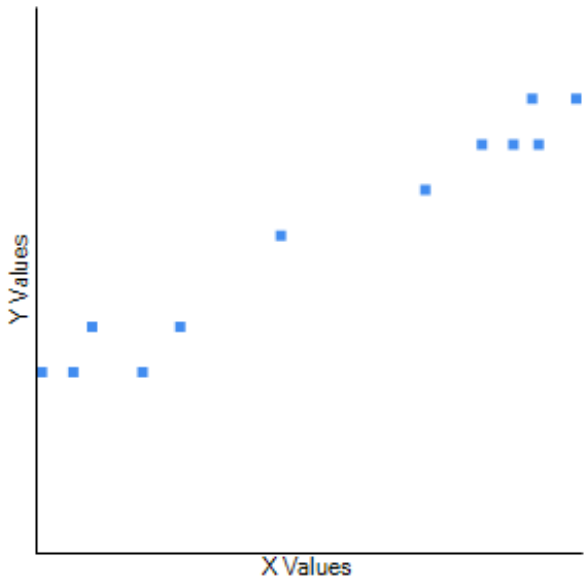


Fig. 288. Correlation between precipitation and rainy days in Hluhluwe.

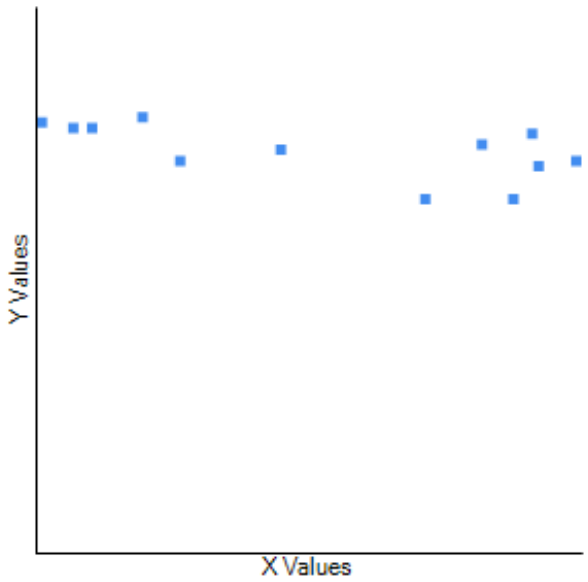


Fig. 289. Correlation between precipitation and average sun hours in Hluhluwe.

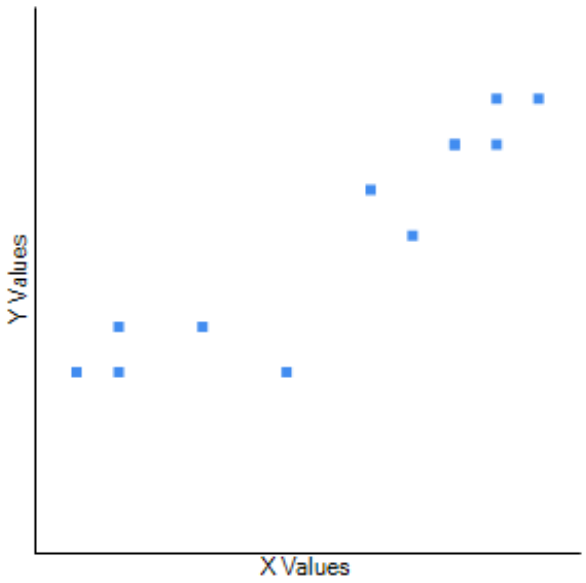


Fig. 290. Correlation between humidity and rainy days in Hluhluwe.

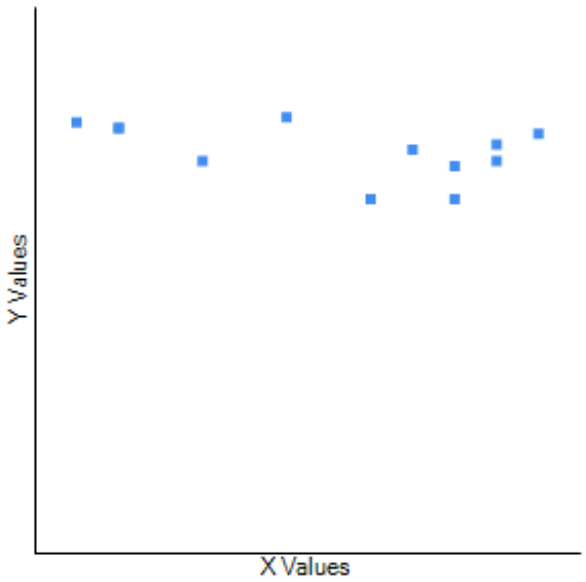


Fig. 291. Correlation between humidity and average sun hours in Hluhluwe.

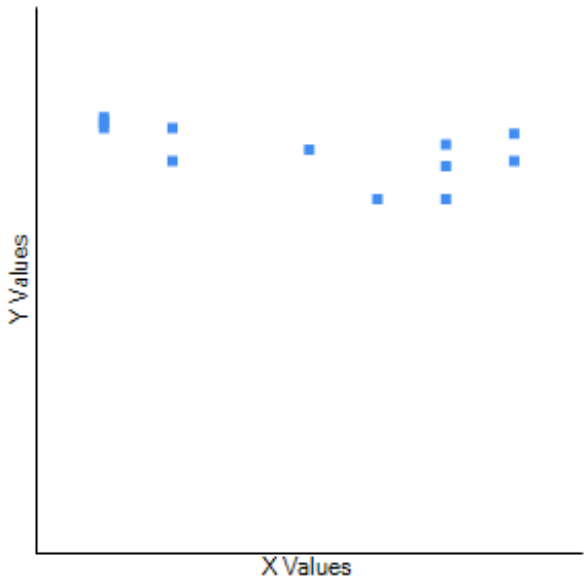


Fig. 292. Correlation between rainy days and average sun hours in Hluhluwe.

DeHoop

Average temperature was correlated with minimum temperature (Fig. 293: r=0.9994, r^2=0.9988, n=12, p<0.00001), maximum temperature (Fig. 294: r=0.9983, r^2=0.9966, n=12, p<0.00001), (marginally with) precipitation (Fig. 295: r=0.5504, r^2=0.3029, n=12, p=0.063693), not with humidity (Fig. 296: r=0.0262, r^2=0.0007, n=12, p=0.935582), rainy days (Fig. 297: r=0.7871, r^2=0.6195, n=12, p=0.002379), and average sun hours (Fig. 298: r=0.8411, r^2=0.7074, n=12, p=0.000607). Minimum temperature was correlated with maximum temperature (Fig. 299: r=0.9961, r^2=0.9922, n=12, p<0.00001), (marginally with) precipitation (Fig. 300: r=0.5547, r^2=0.3077, n=12, p=0.061229), humidity (Fig. 301: r=0.0516, r^2=0.0027, n=12, p=0.873465), rainy days (Fig. 302: r=0.7792, r^2=0.6072, n=12, p=0.002814), and average sun hours (Fig. 303: r=-0.8279, r^2=0.6854, n=12, p=0.000884). Maximum temperature was correlated with precipitation (Fig. 304: r=0.5543, r^2=0.3072, n=12, p=0.061455), (not with) humidity (Fig. 305: r=-0.018, r^2=0.0003, n=12, p=0.955722), rainy days (Fig. 306: r=0.8025, r^2=0.644, n=12, p=0.001681), but not average sun hours (Fig. 397: r=0.8663, r^2=0.7505, n=12, p=0.000268). Precipitation was (not) correlated with humidity (Fig. 308: r=-0.0165, r^2=0.0003, n=12, p=0.959409), rainy days (Fig. 309: r=0.7531, r^2=0.5672, n=12, p=0.004691), and (marginally with) average sun hours (Fig. 310: r=-0.5342, r^2=0.2854, n=12, p=0.073595). Humidity was (not) correlated with rainy days (Fig. 311: r=-0.0698, r^2=0.0049, n=12, p=0.829338) and not average sun hours (Fig. 312: r=-0.4604, r^2=0.212, n=12, p=0.132026). Rainy days were correlated to average sun hours (Fig. 313: r=0.7601, r^2=0.5778, n=12, p=0.004115).

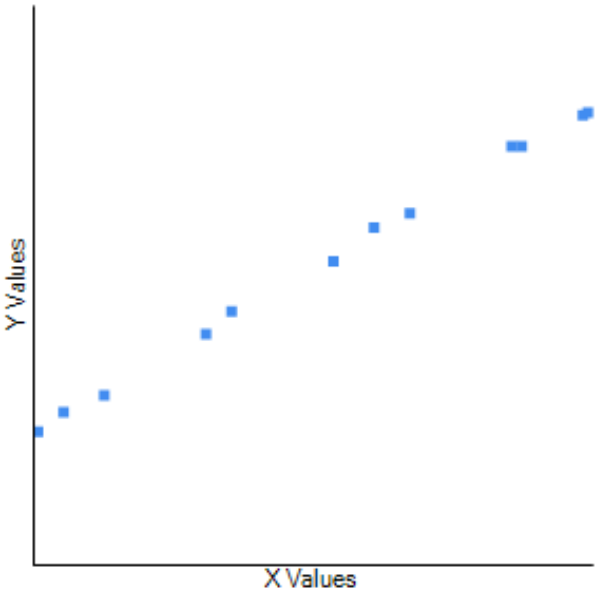


Fig. 293. Correlation between average temperature and minimum temperature in De Hoop.

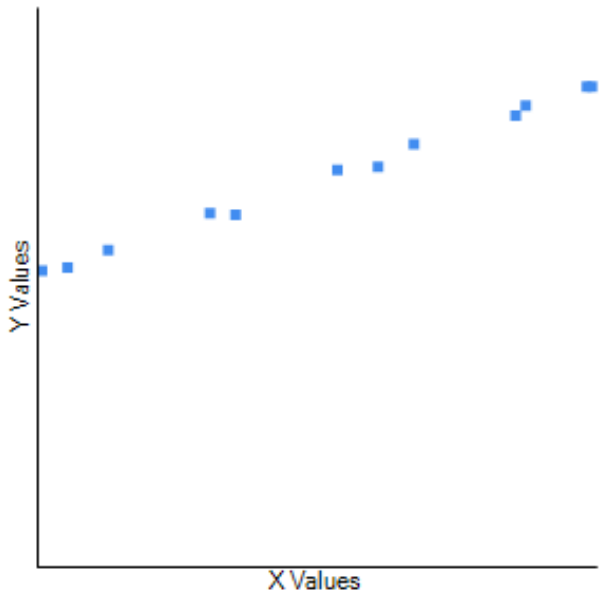


Fig. 294. Correlation between average and maximum temperature in De Hoop.

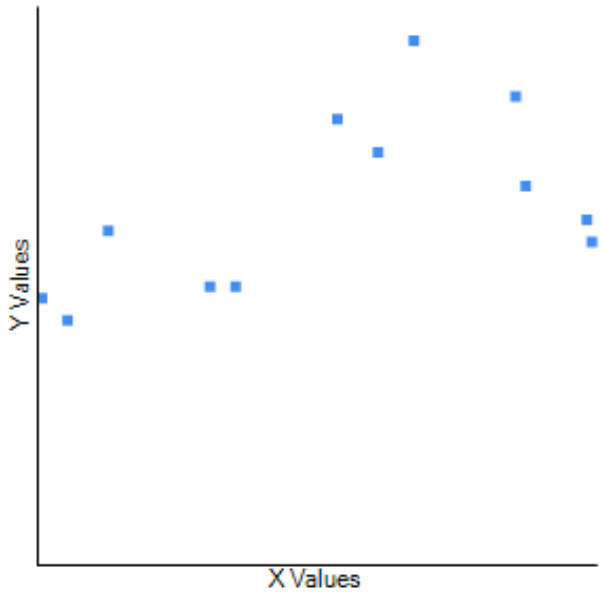


Fig. 295. Correlation between average temperature and precipitation in De Hoop.

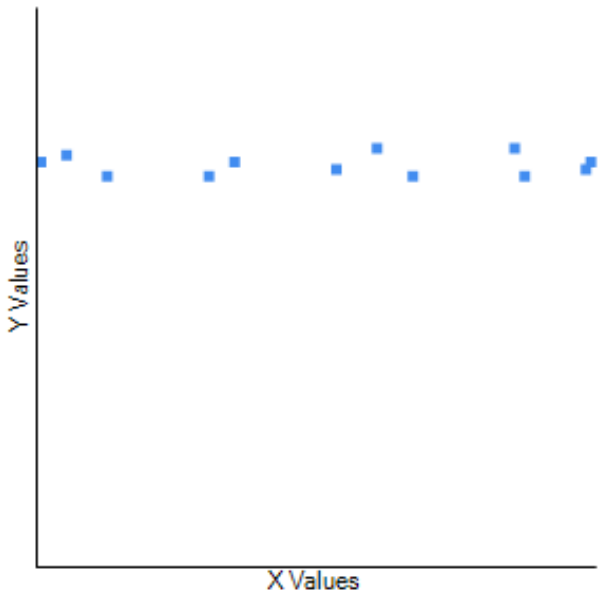


Fig. 296. Correlation between average temperature and humidity in De Hoop.

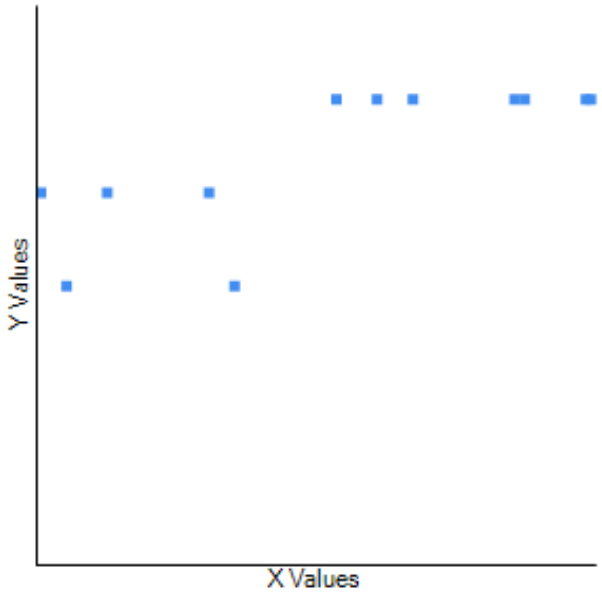


Fig. 297. Correlation between average temperature and rainy days in De Hoop.

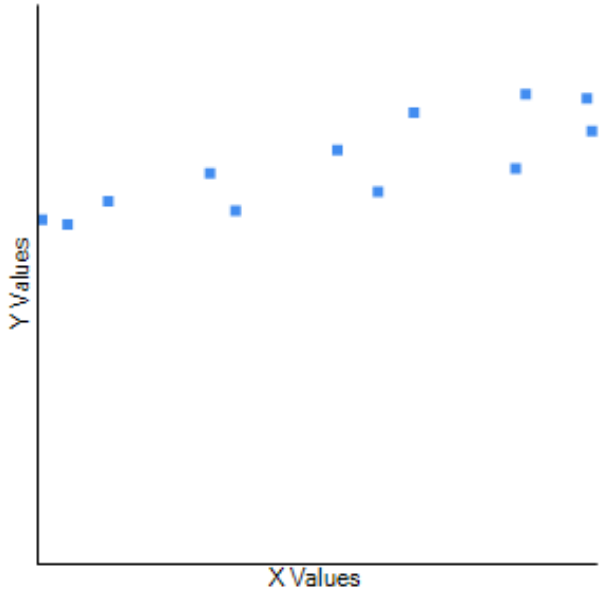


Fig. 298. Correlation between average temperature and average sun hours in De Hoop.

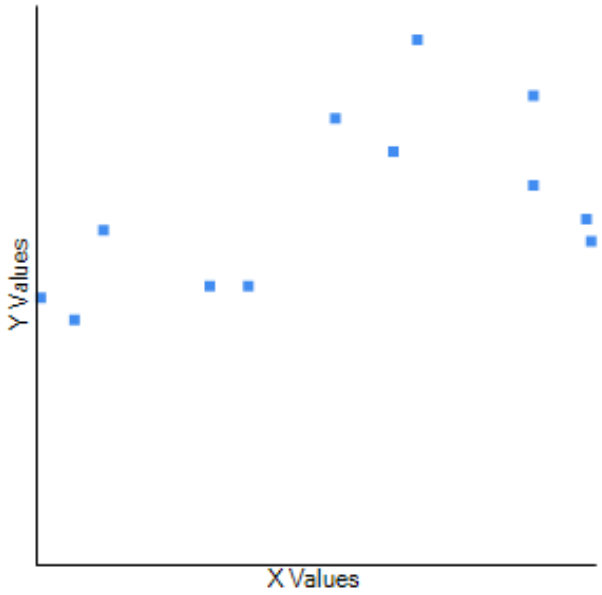


Fig. 300. Correlation between minimum temperature and precipitation in De Hoop.

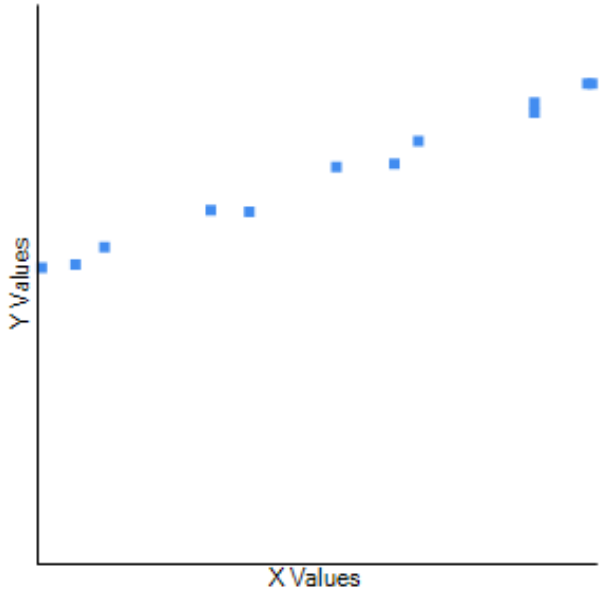


Fig. 299. Correlation between minimum and maximum temperature in De Hoop.

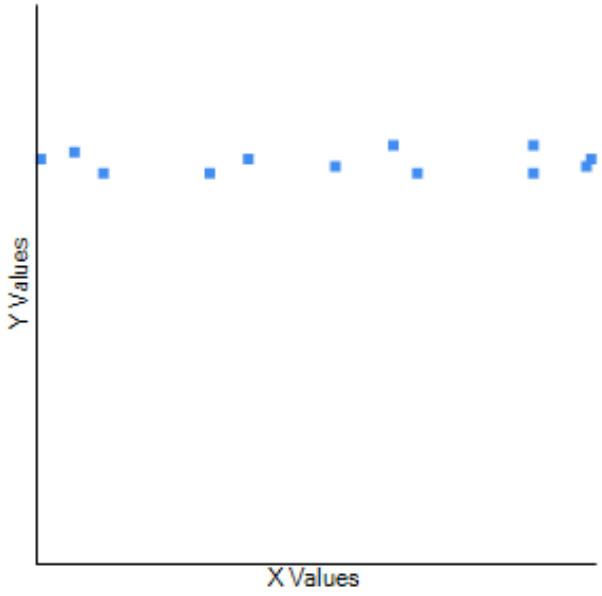


Fig. 301. Correlation between minimum temperature and humidity in De Hoop.

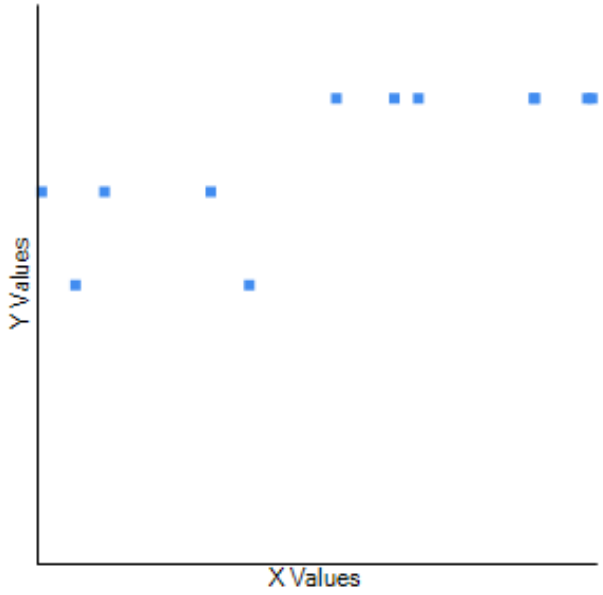


Fig. 302. Correlation between minimum temperature and rainy days in De Hoop.

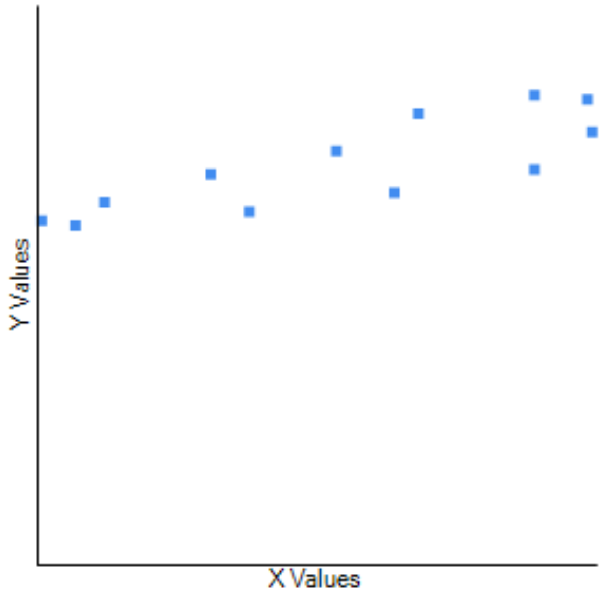


Fig. 303. Correlation between minimum temperature and average sun hours in De Hoop.

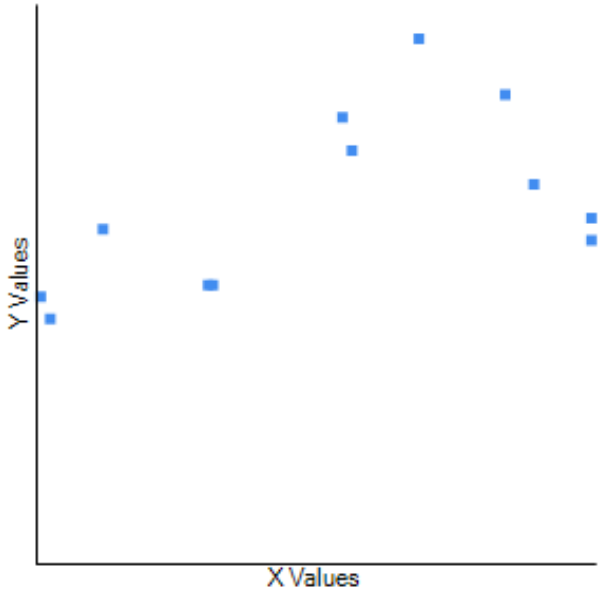


Fig. 304. Correlation between maximum temperature and precipitation in De Hoop.

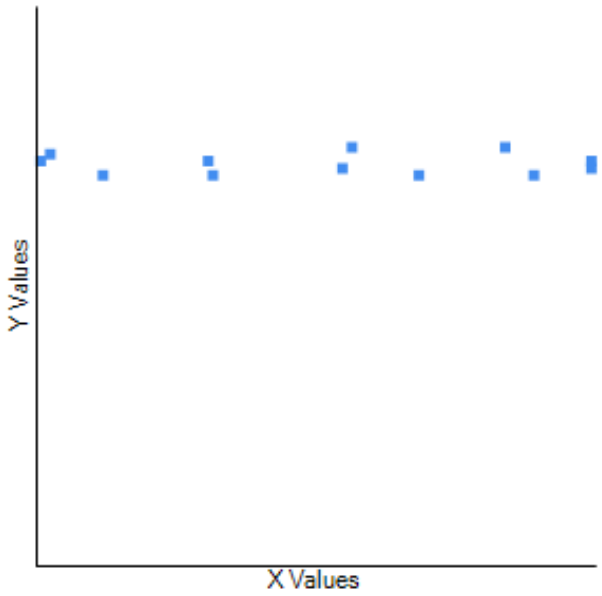


Fig. 305. Correlation between maximum temperature and humidity in De Hoop.

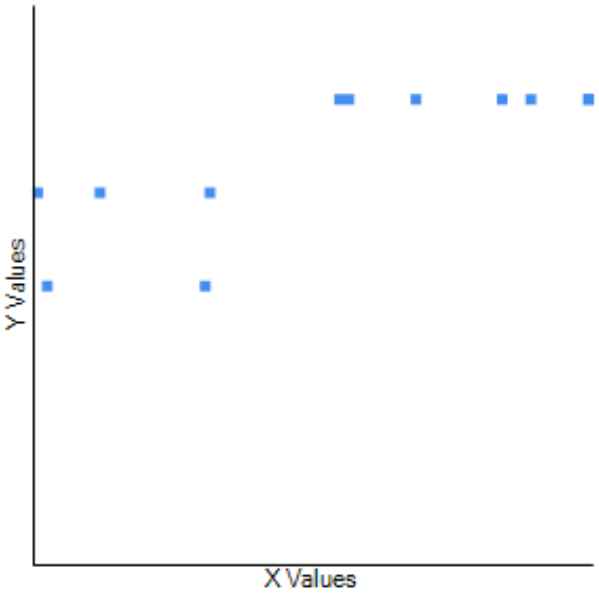


Fig. 306. Correlation between maximum temperature and rainy days in De Hoop.

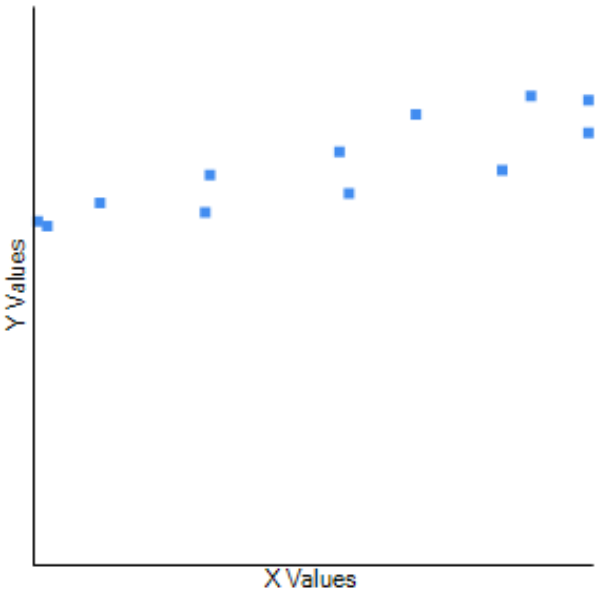


Fig. 307. Correlation between maximum temperature and average sun hours in De Hoop.

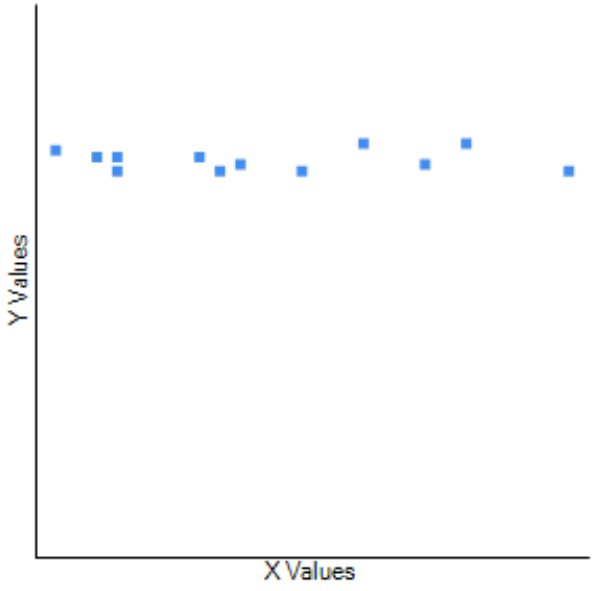


Fig. 308. Correlation between precipitation and humidity in De Hoop.

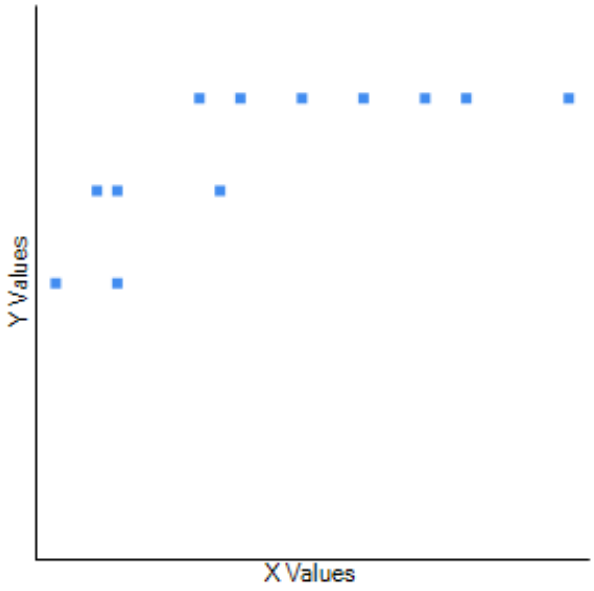


Fig. 309. Correlation between precipitation and rainy days in De Hoop.

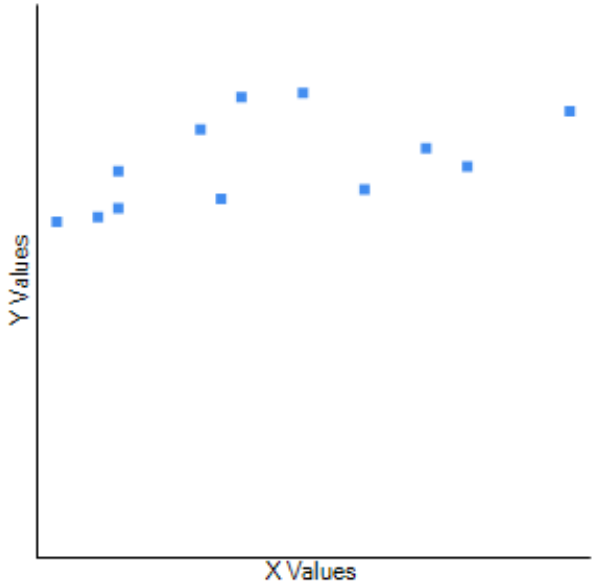


Fig. 310. Correlation between precipitation and average sun hours in De Hoop.

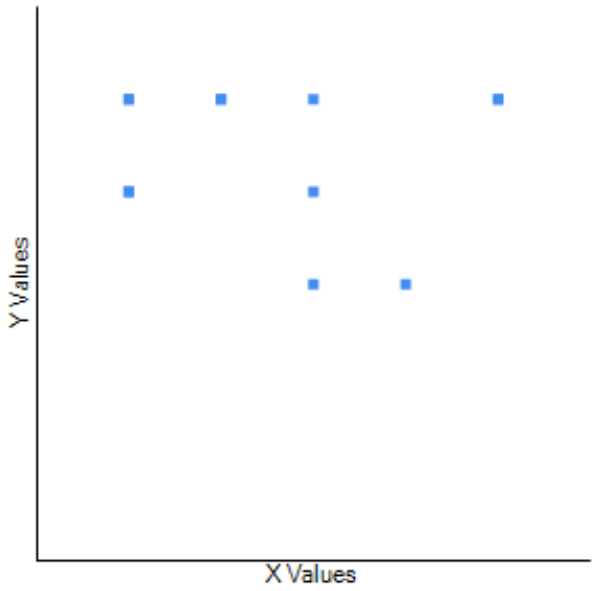


Fig. 311. Correlation between humidity and rainy days in De Hoop.

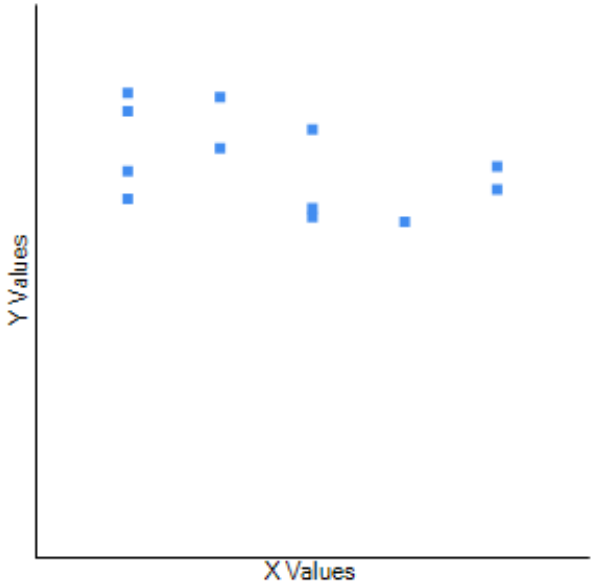


Fig. 312. Correlation between humidity and average sun hours in De Hoop.

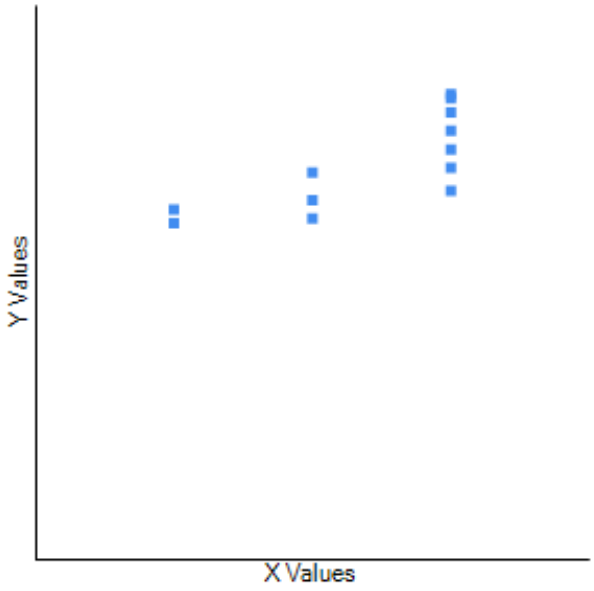


Fig. 313. Correlation between rainy days and average sun hours in De Hoop.

Hoedspruit

Average temperature was correlated with minimum temperature (Fig. 314: $r=0.994$, $r^2=0.988$, $n=12$, $p<0.00001$), maximum temperature (Fig. 315: $r=0.9907$, $r^2=0.9815$, $n=12$, $p<0.00001$),

precipitation (Fig. 316: r=0.8765, r^2=0.7683, n=12, p=0.000183), humidity (Fig. 317: r=0.7543, r^2=0.569, n=12, p=0.004588), rainy days (Fig. 318: r=0.9193, r^2=0.8451, n=12, p=0.000024), and average sun hours (Fig. 319: r=-0.7589, r^2=0.5759, n=12, p=0.00421). Minimum temperature was correlated with maximum temperature (Fig. 320: r=0.9703, r^2=0.9415, n=12, p<0.00001), precipitation (Fig. 321: r=0.8952, r^2=0.8014, n=12, p=0.000083), humidity (Fig. 322: r=0.8201, r^2=0.6726, n=12, p=0.001088), rainy days (Fig. 323: r=0.9329, r^2=0.8703, n=12, p<0.00001), and average sun hours (Fig. 324: r=-0.7774, r^2=0.6044, n=12, p=0.002921). Maximum temperature was correlated with precipitation (Fig. 325: r=0.8399, r^2=0.7054, n=12, p=0.000629), humidity (Fig. 326: r=0.6617, r^2=0.4378, n=12, p=0.019092), rainy days (Fig. 327: r=0.8897, r^2=0.7916, n=12, p=0.000107), and average sun hours (Fig. 328: r=-0.7219, r^2=0.5211, n=12, p=0.008028). Precipitation was correlated with humidity (Fig. 329: r=0.8145, r^2=0.6634, n=12, p=0.001255), rainy days (Fig. 330: r=0.9854, r^2=0.971, n=12, p<0.00001), and average sun hours (Fig. 331: r=-0.7171, r^2=0.5142, n=12, p=0.008667). Humidity was correlated with rainy days (Fig. 332: r=0.8186, r^2=0.6701, n=12, p=0.001131) and average sun hours (Fig. 333: r=-0.6821, r^2=0.4653, n=12, p=0.014542). Rainy days were correlated to average sun hours (Fig. 334: r=-0.715, r^2=0.5112, n=12, p=0.008959).

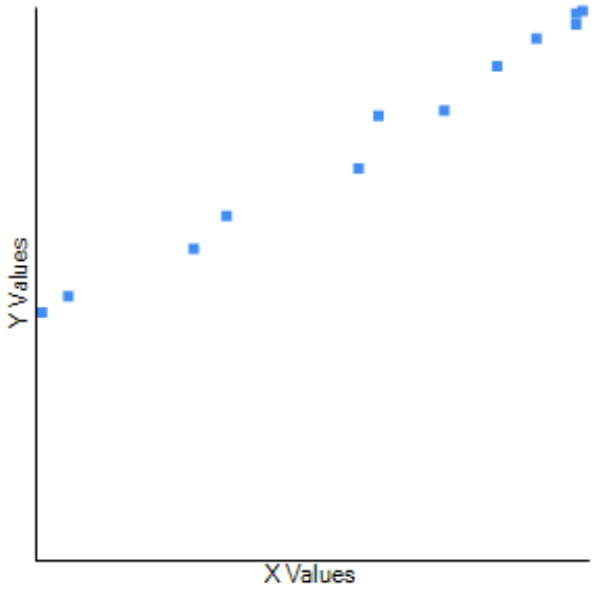


Fig. 314. Correlation between average temperature and minimum temperature in Hoedspruit.

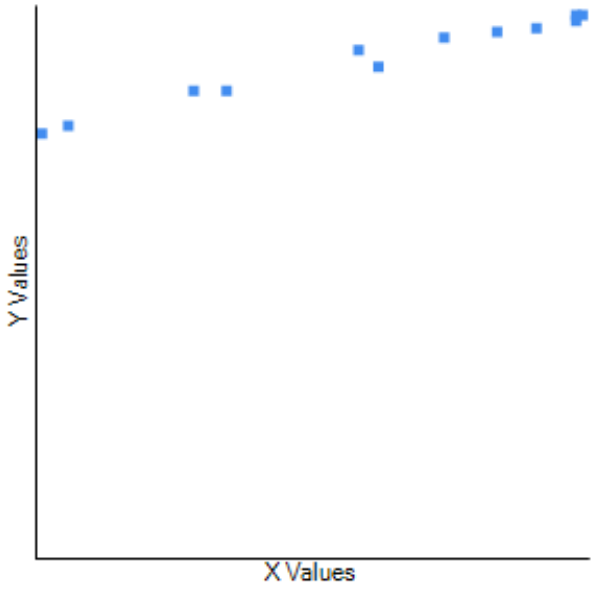


Fig. 315. Correlation between average and maximum temperature in Hoedspruit.

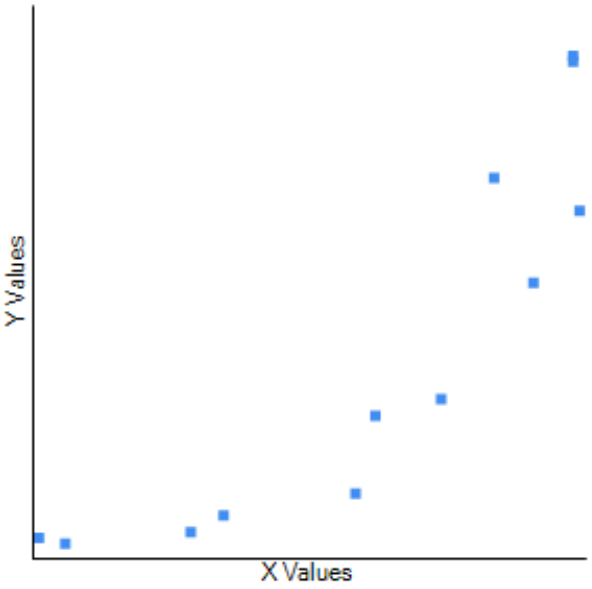


Fig. 316. Correlation between average temperature and precipitation in Hoedspruit.

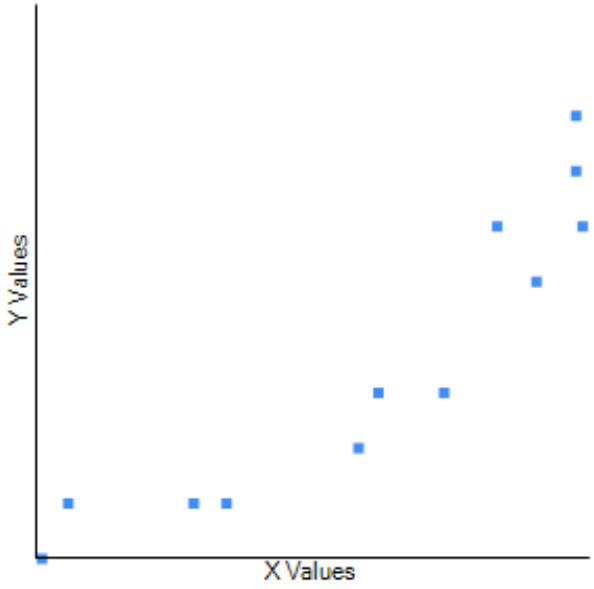


Fig.318. Correlation between average temperature and rainy days in Hoedspruit.

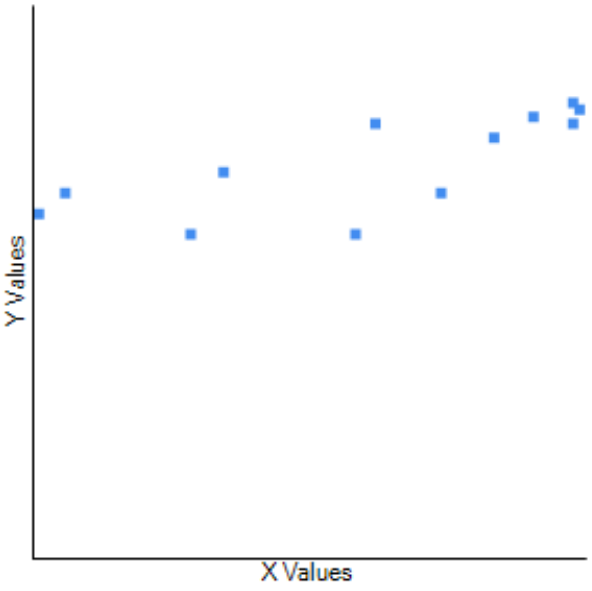


Fig. 317. Correlation between average temperature and humidity in Hoedspruit.

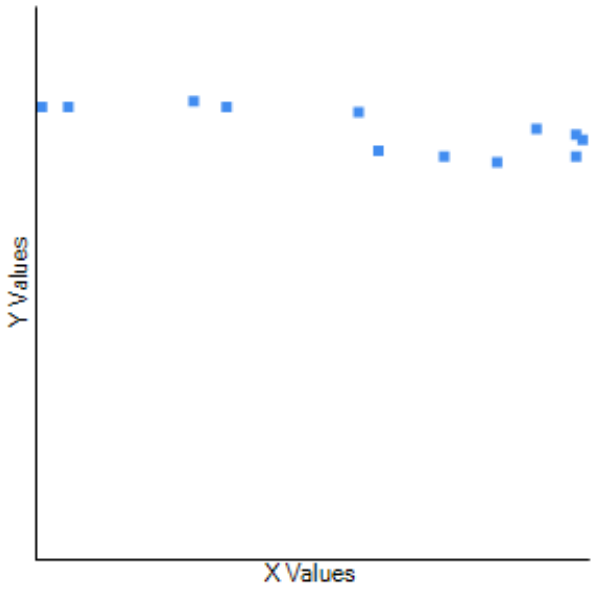


Fig. 319. Correlation between average temperature and average sun hours in Hoedspruit.

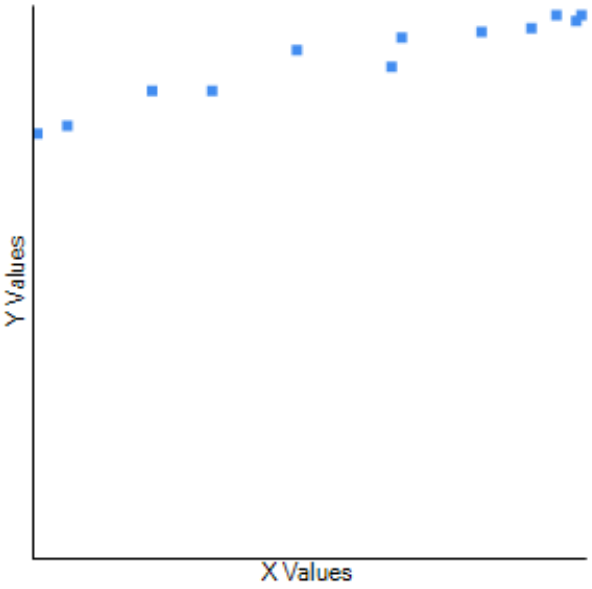


Fig. 320. Correlation between minimum and maximum temperature in Hoedspruit.

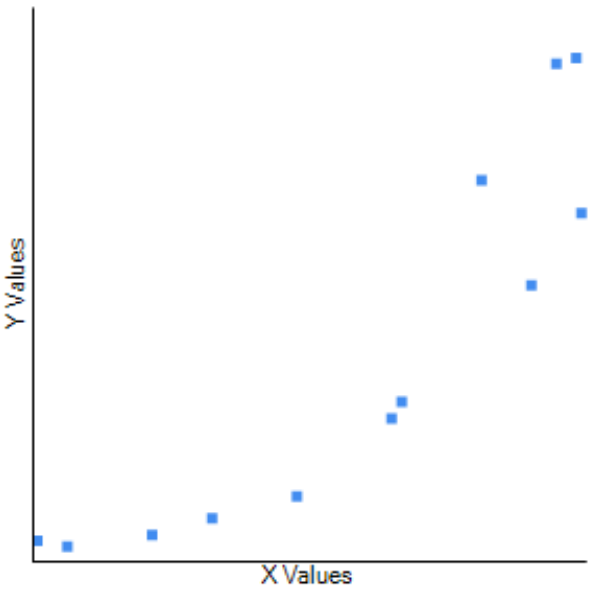


Fig. 321. Correlation between minimum temperature and precipitation in Hoedspruit.

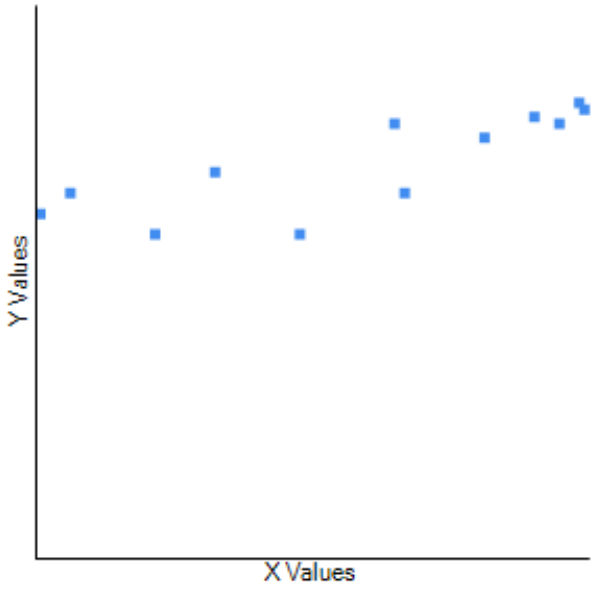


Fig. 322. Correlation between minimum temperature and humidity in Hoedspruit.

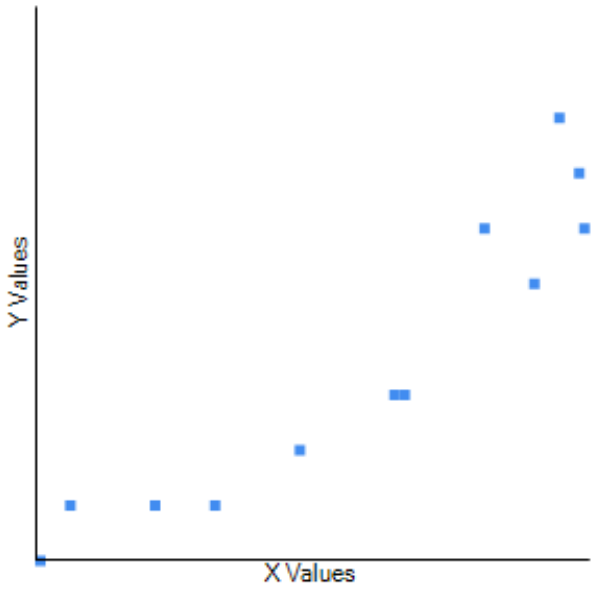


Fig. 323. Correlation between minimum temperature and rainy days in Hoedspruit.

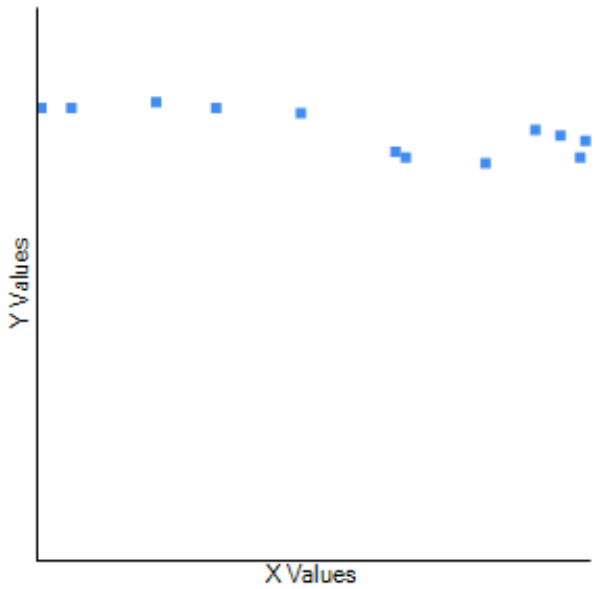


Fig. 324. Correlation between minimum temperature and average sun hours in Hoedspruit.

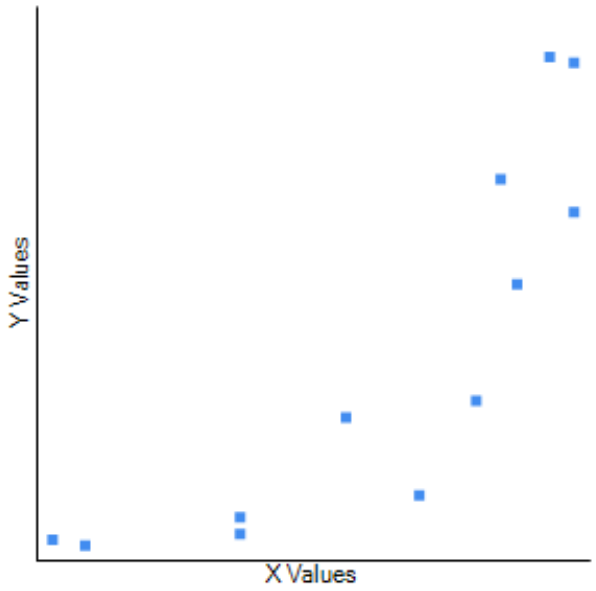


Fig. 325. Correlation between maximum temperature and precipitation in Hoedspruit.

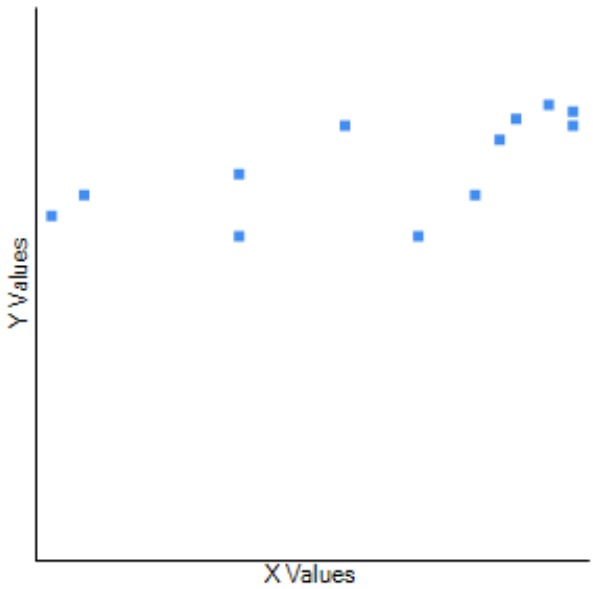


Fig. 326. Correlation between maximum temperature and humidity in Hoedspruit.

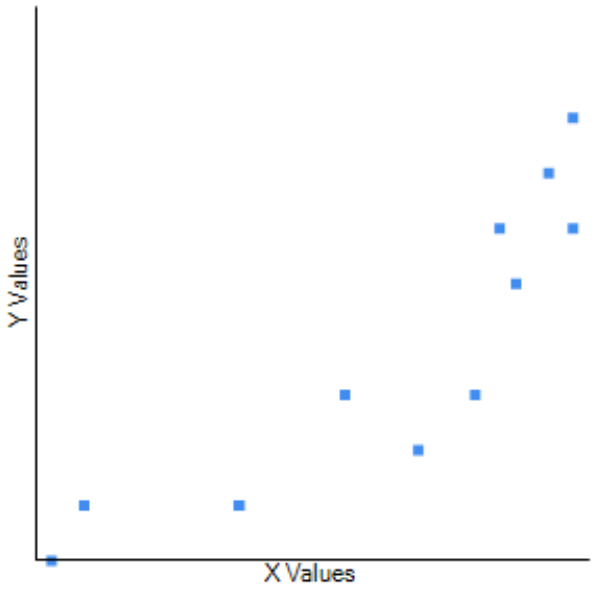


Fig. 327. Correlation between maximum temperature and rainy days in Hoedspruit.

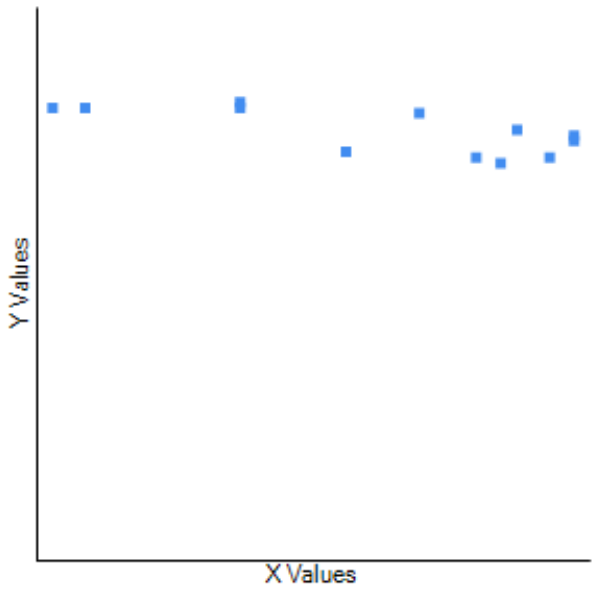


Fig. 328. Correlation between maximum temperature and average sun hours in Hoedspruit.

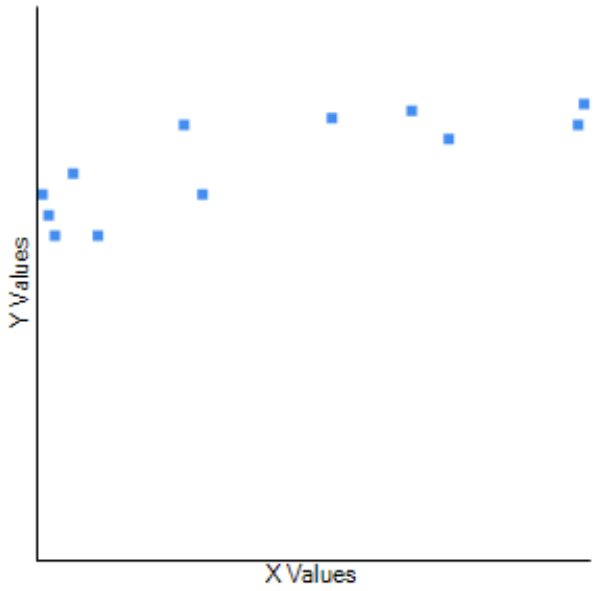


Fig. 329. Correlation between precipitation and humidity in Hoedspruit.

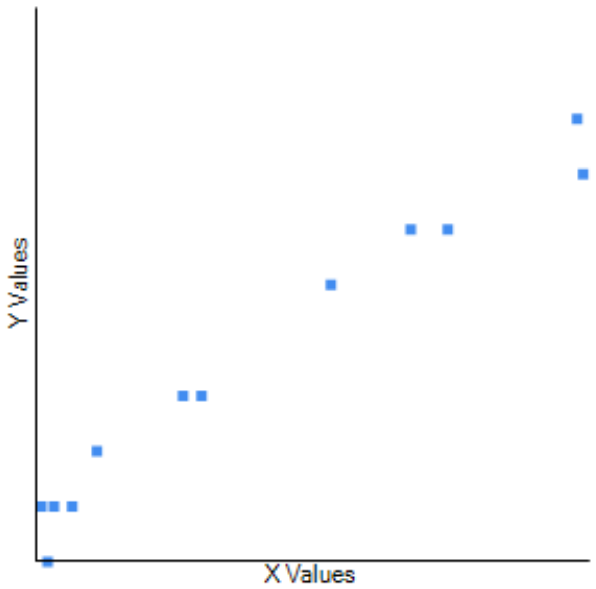


Fig. 330. Correlation between precipitation and rainy days in Hoedspruit.

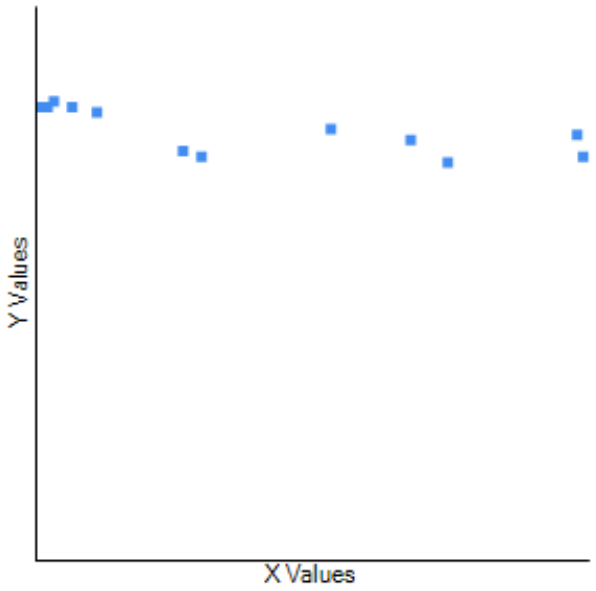


Fig. 331. Correlation between precipitation and average sun hours in Hoedspruit.

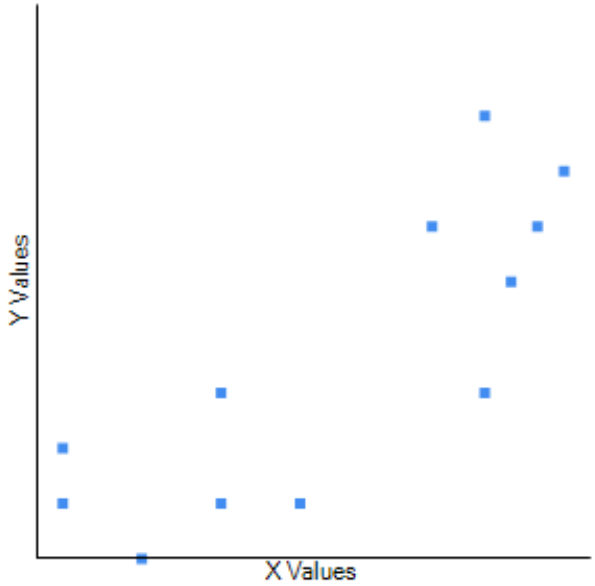


Fig. 332. Correlation between humidity and rainy days in Hoedspruit.

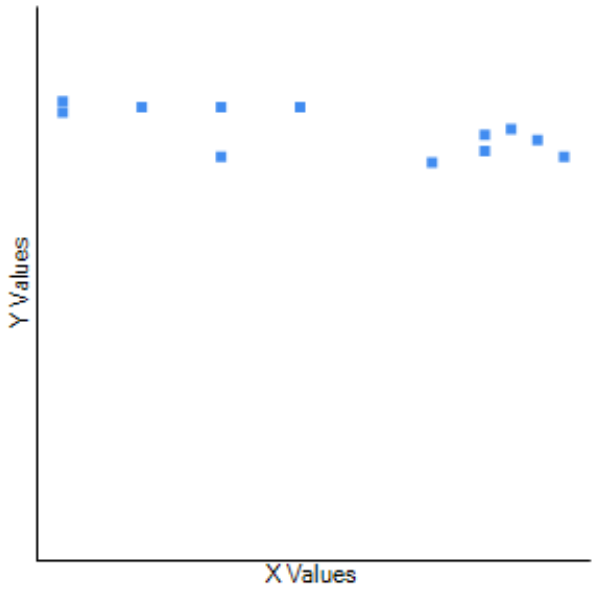


Fig. 333. Correlation between humidity and average sun hours in Hoedspruit.

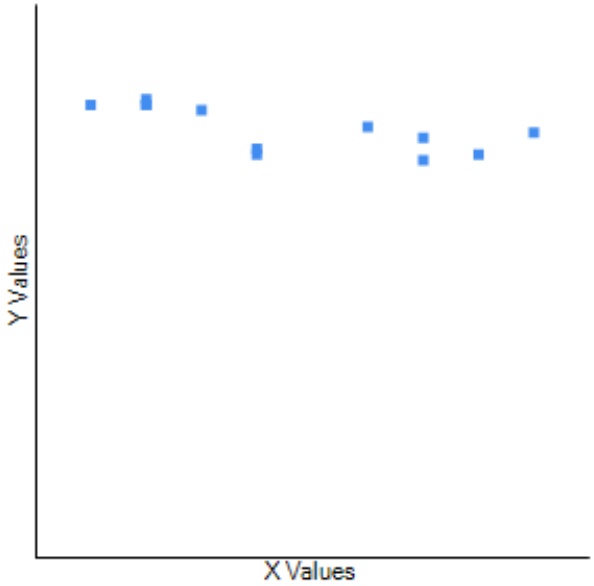


Fig. 334. Correlation between rainy days and average sun hours in Hoedspruit.

Winterton

Average temperature was correlated with minimum temperature (Fig. 335: r=0.9947, r^2=0.9894, n=12, p<0.00001), maximum temperature (Fig. 336: r=0.9846, r^2=0.9694, n=12, p<0.00001), precipitation (Fig. 337: r=0.9242, r^2=0.8541, n=12, p=0.000017), humidity (Fig. 338: r=0.6847, r^2=0.4688, n=12, p=0.014026), rainy days (Fig. 339: r=0.9528, r^2=0.9078, n=12, p<0.000014), but not average sun hours (Fig. 340: r=-0.2048, r^2=0.0419, n=12, p=0.523143). Minimum temperature was correlated with maximum temperature (Fig. 341: r=0.9623, r^2=0.926, n=12, p<0.00001), precipitation (Fig.342: r=0.9364, r^2=0.8768, n=12, p<0.00001), humidity (Fig. 343: r=0.7546, r^2=0.5694, n=12, p=0.004563), rainy days (Fig. 344: r=0.954, r^2=0.9101, n=12, p<0.00001), but not average sun hours (Fig. 345: r=-0.1666, r^2=0.0278, n=12, p=0.002921). Maximum temperature was correlated with precipitation (Fig. 346: r=0.8951, r^2=0.8012, n=12, p=0.000084), (marginally with) humidity (Fig. 347: r=0.5537, r^2=0.3066, n=12, p=0.061796), rainy days (Fig. 348: r=0.9387, r^2=0.8812, n=12, p<0.00001), but not average sun hours (Fig. 349: r=-0.294, r^2=0.0864, n=12, p=0.353644). Precipitation

was correlated with humidity (Fig. 350: r=0.7606, r^2=0.5785, n=12, p=0.004076), rainy days (Fig. 351: r=0.9819, r^2=0.9641, n=12, p<0.00001), but not average sun hours (Fig. 352: r=-0.3364, r^2=0.1132, n=12, p=0.285002). Humidity was correlated with rainy days (Fig. 353: r=0.7025, r^2=0.4935, n=12, p=0.010847) but not average sun hours (Fig. 354: r=-0.097, r^2=0.0094, n=12, p=0.764259). Rainy days were not correlated to average sun hours (Fig. 355: r=0.3106, r^2=0.0965, n=12, p=0.325801).

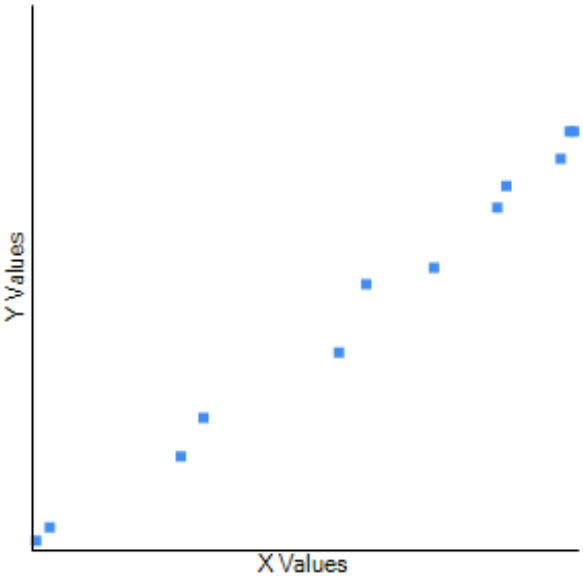


Fig. 335. Correlation between average temperature and minimum temperature in Winterton.

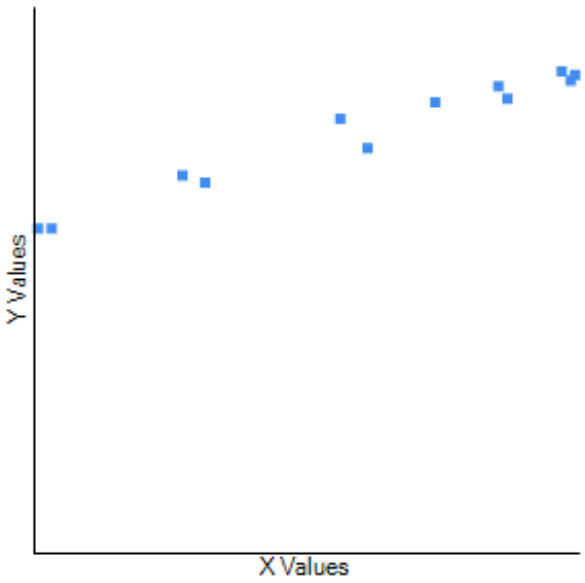


Fig. 336. Correlation between average and maximum temperature in Winterton.

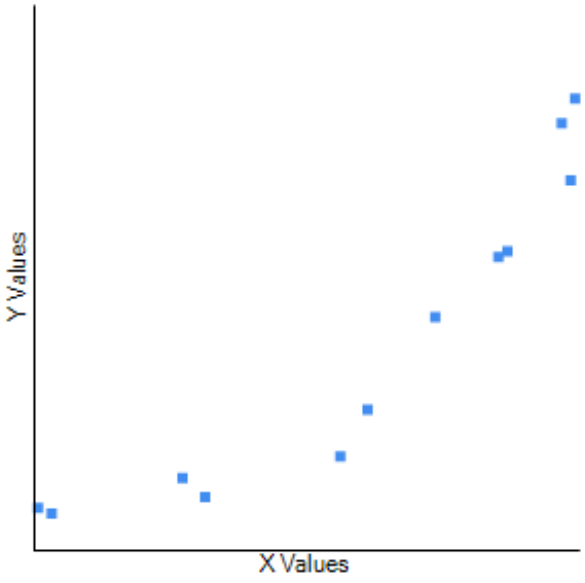


Fig. 337. Correlation between average temperature and precipitation in Winterton.

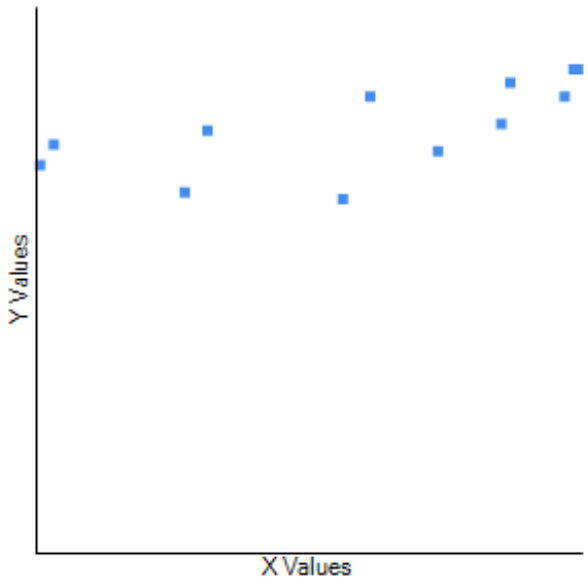


Fig. 338. Correlation between average temperature and humidity in Winterton.

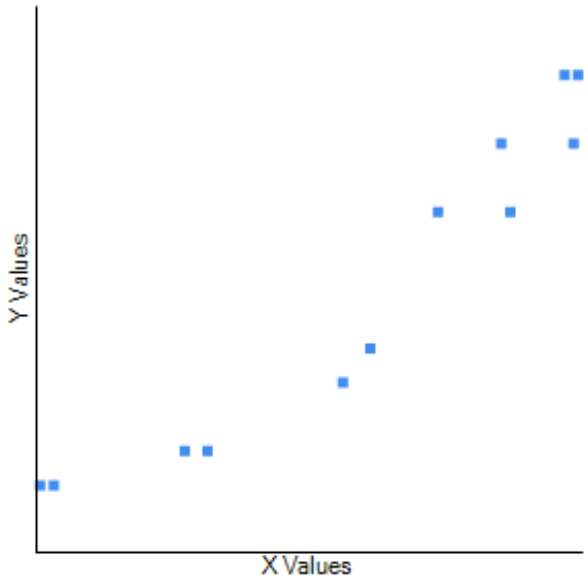


Fig. 339. Correlation between average temperature and rainy days in Winterton.

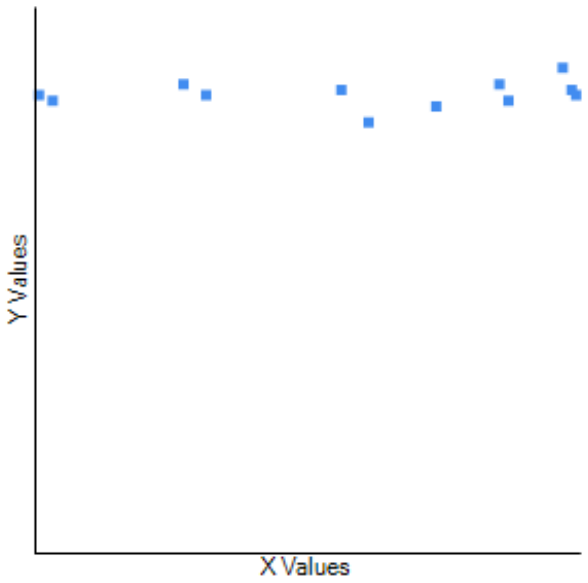


Fig. 340. Correlation between average temperature and average sun hours in Winterton.

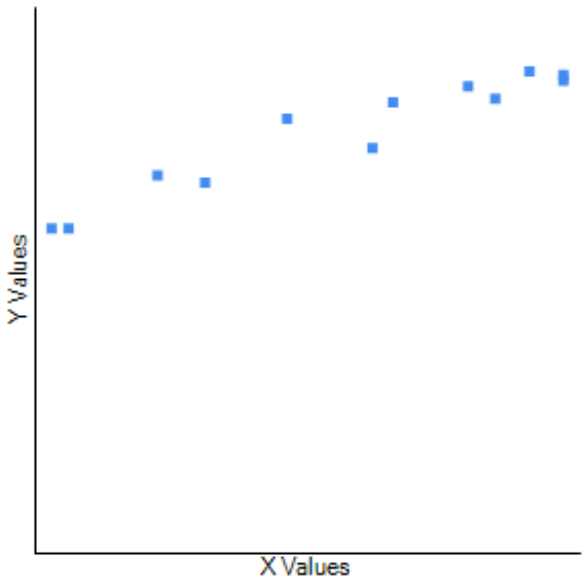


Fig. 341. Correlation between minimum and maximum temperature in Winterton.

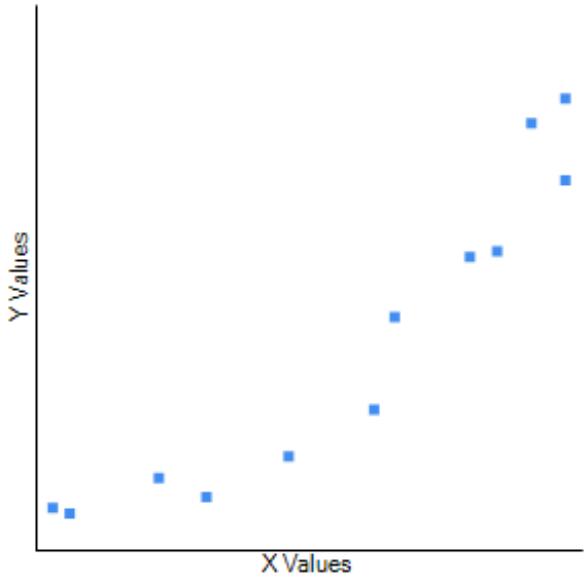


Fig. 342. Correlation between minimum temperature and precipitation in Winterton.

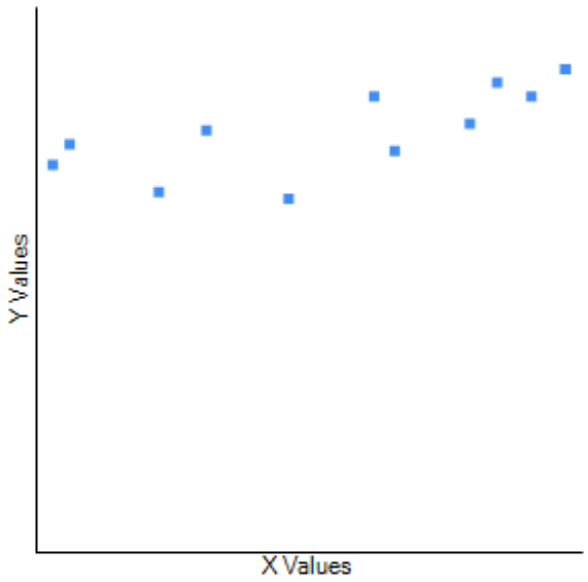


Fig. 343. Correlation between minimum temperature and humidity in Winterton.

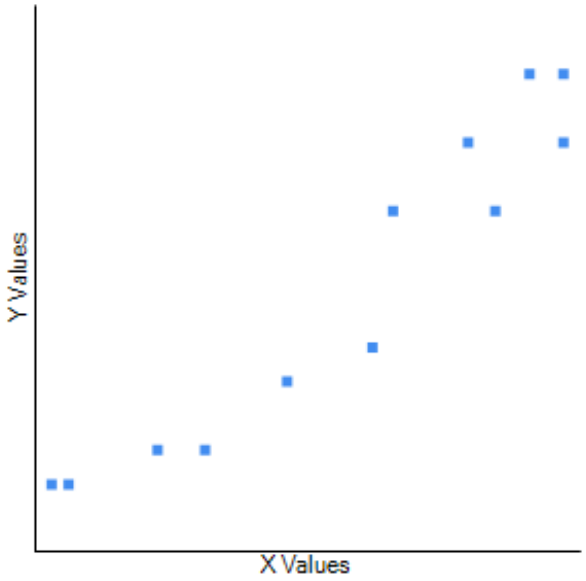


Fig. 344. Correlation between minimum temperature and rainy days in Winterton.

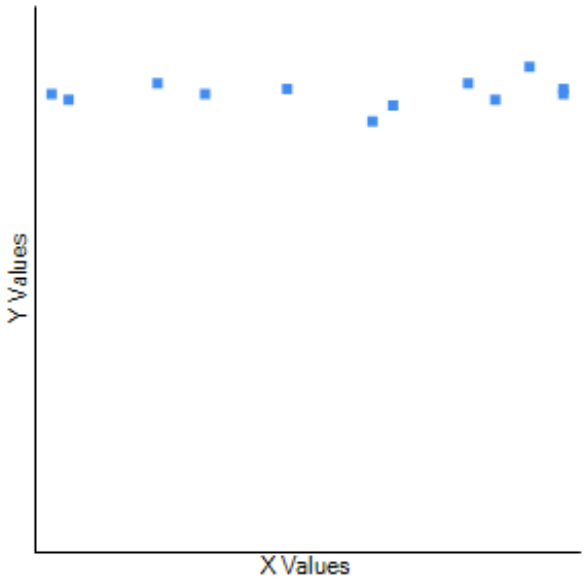


Fig. 345. Correlation between minimum temperature and average sun hours in Winterton.

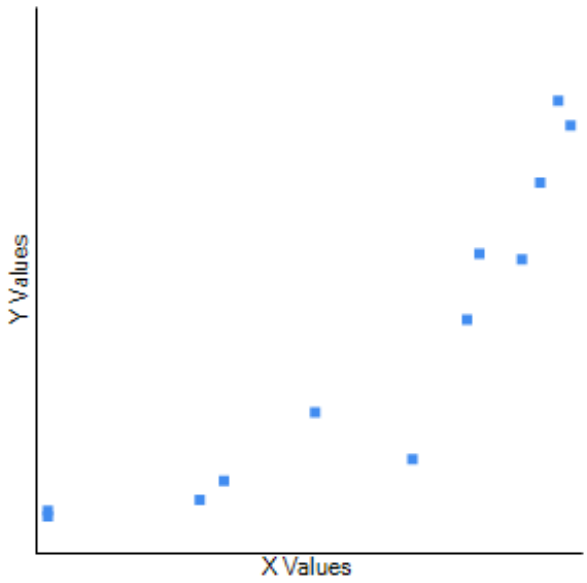


Fig. 346. Correlation between maximum temperature and precipitation in Winterton.

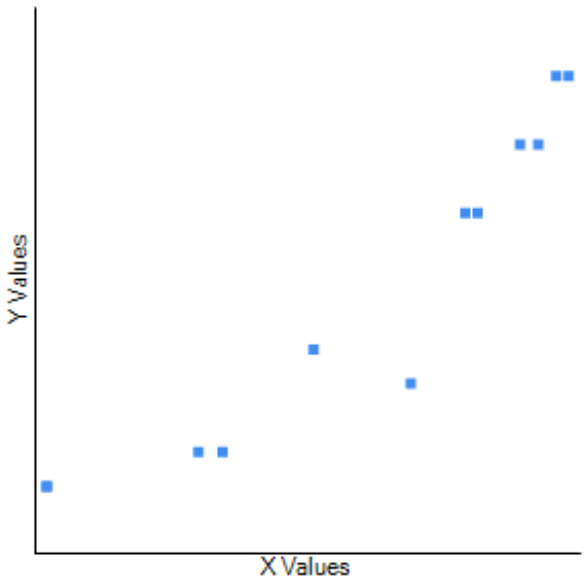


Fig. 348. Correlation between maximum temperature and rainy days in Winterton.

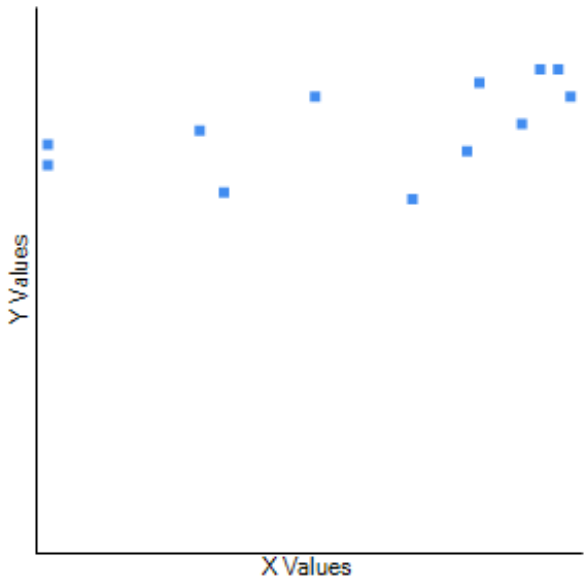


Fig. 347. Correlation between maximum temperature and humidity in Winterton.

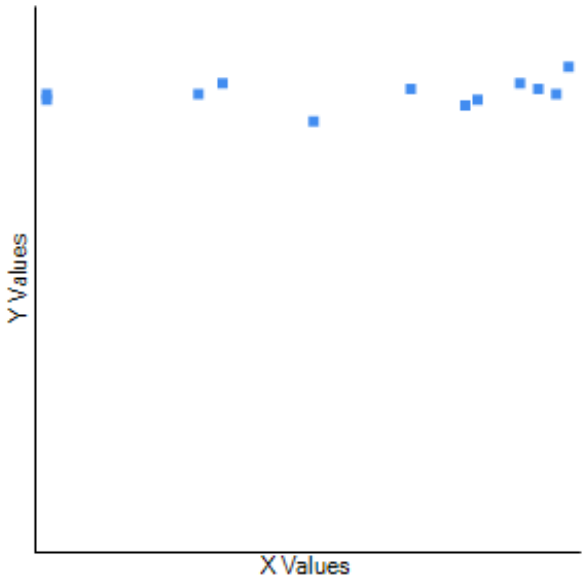


Fig. 349. Correlation between maximum temperature and average sun hours in Winterton.

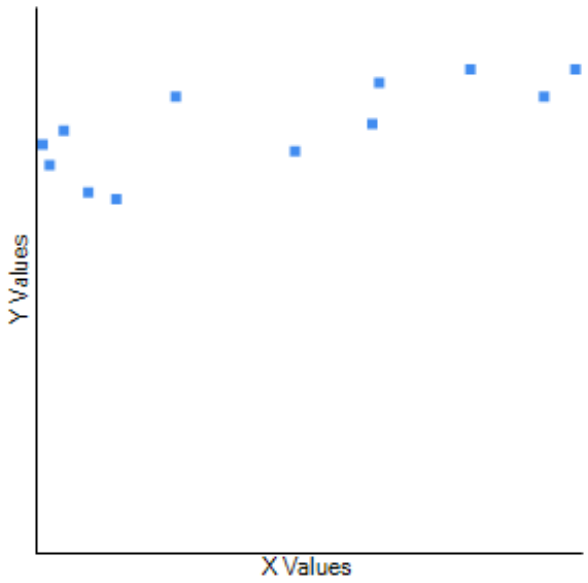


Fig. 350. Correlation between precipitation and humidity in Winterton.

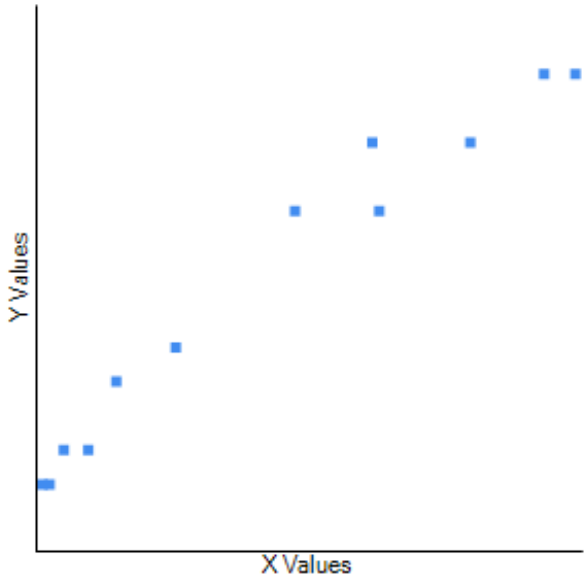


Fig. 351. Correlation between precipitation and rainy days in Winterton.

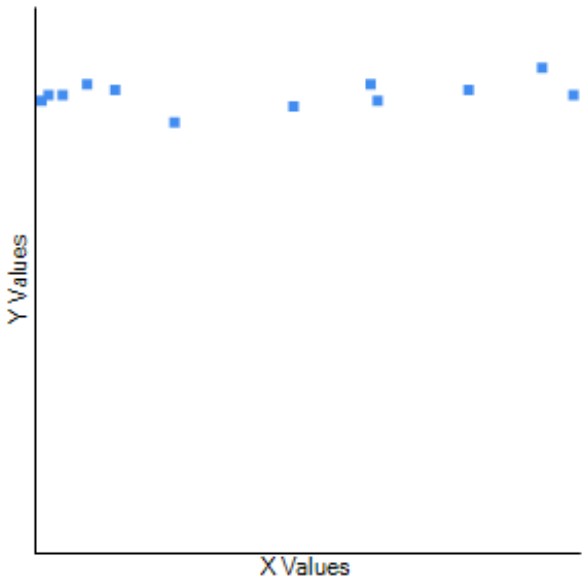


Fig. 352. Correlation between precipitation and average sun hours in Winterton.

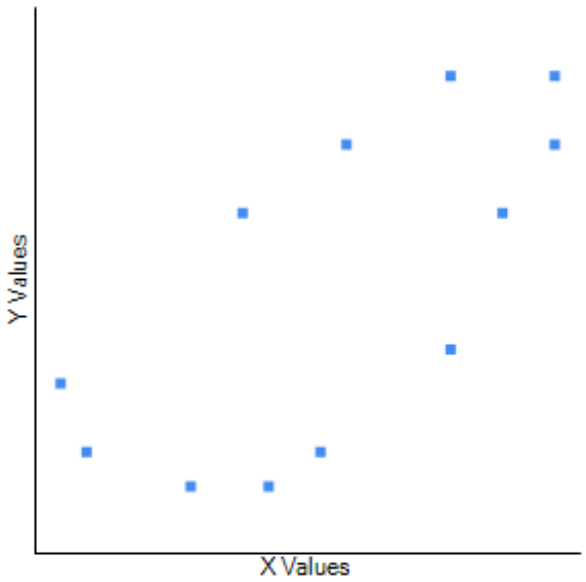


Fig. 353. Correlation between humidity and rainy days in Winterton.

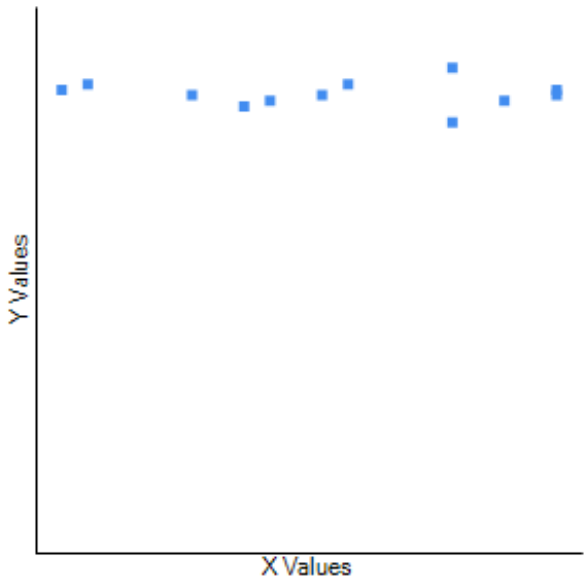


Fig. 354. Correlation between humidity and average sun hours in Winterton.

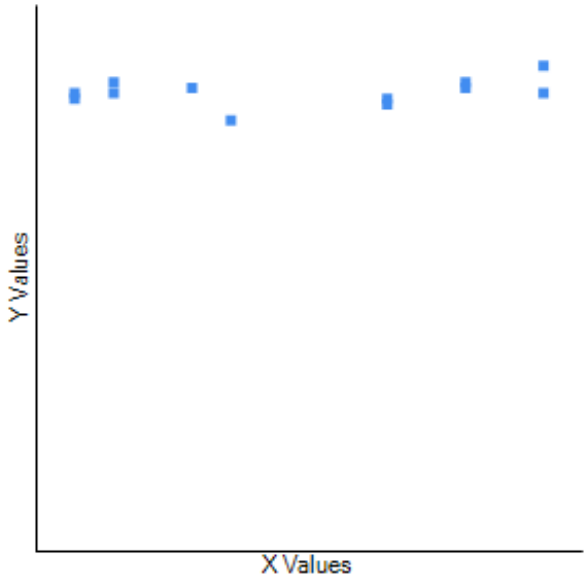


Fig. 355. Correlation between rainy days and average sun hours in Winterton.

Port St Johns

Average temperature was correlated with minimum temperature (Fig. 356: r=0.9989, r^2=0.9978, n=12, p<0.00001), maximum temperature (Fig. 357: r=0.9758, r^2=0.9522, n=12, p<0.00001), precipitation (Fig. 358: r=0.8557, r^2=0.7322, n=12, p=0.000385), humidity (Fig. 359: r=0.93, r^2=0.8649, n=12, p=0.000012), rainy days (Fig. 360: r=0.8152, r^2=0.6646, n=12, p=0.001233), and average sun hours (Fig. 361: r=-0.8502, r^2=0.7228, n=12, p=0.000459). Minimum temperature was correlated with maximum temperature (Fig. 362: r=0.9685, r^2=0.938, n=12, p<0.00001), precipitation (Fig. 363: r=0.8646, r^2=0.7479, n=12, p=0.000284), humidity (Fig. 364: r=0.9428, r^2=0.8889, n=12, p=0.004563), rainy days (Fig. 365: r=0.822, r^2=0.6757, n=12, p=0.001035), and average sun hours (Fig. 366: r=-0.8591, r^2=0.7381, n=12, p=0.000344). Maximum temperature was correlated with precipitation (Fig. 367: r=0.7357, r^2=0.5413, n=12, p=0.006386), humidity (Fig. 368: r=0.8379, r^2=0.7021, n=12, p=0.000667), rainy days (Fig. 369: r=0.6813, r^2=0.4642, n=12, p=0.014704), and average sun hours (Fig. 370: r=-0.7244, r^2=0.5248, n=12, p=0.007709). Precipitation was correlated with humidity (Fig. 371: r=0.9263, r^2=0.858, n=12, p=0.000015), rainy days (Fig. 372: r=0.978, r^2=0.9565, n=12, p<0.00001), and average sun hours (Fig. 373: r=-0.9862, r^2=0.9726, n=12, p<0.00001). Humidity was correlated with rainy days (Fig. 374: r=0.8935, r^2=0.7983, n=12, p=0.00009) and average sun hours (Fig. 375: r=-0.919, r^2=0.8446, n=12, p=0.000024). Rainy days were correlated to average sun hours (Fig. 376: r=0.9906, r^2=0.9813, n=12, p<0.00001).

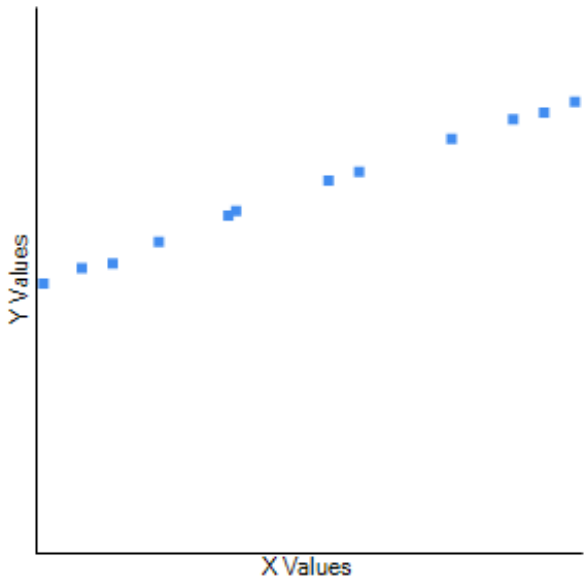


Fig. 356. Correlation between average temperature and minimum temperature in Port St Johns.

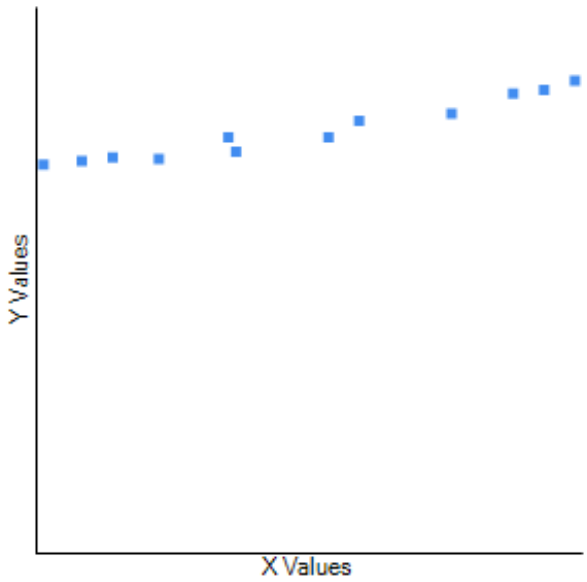


Fig. 357. Correlation between average and maximum temperature in Port St Johns.

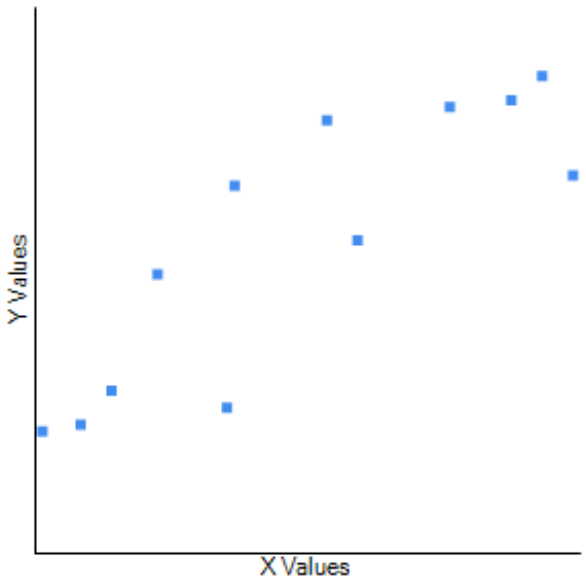


Fig. 358. Correlation between average temperature and precipitation in Port St Johns.

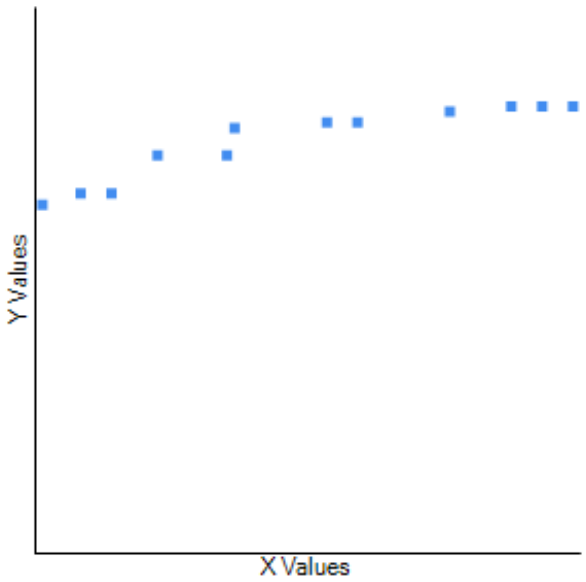


Fig. 359. Correlation between average temperature and humidity in Port St Johns.

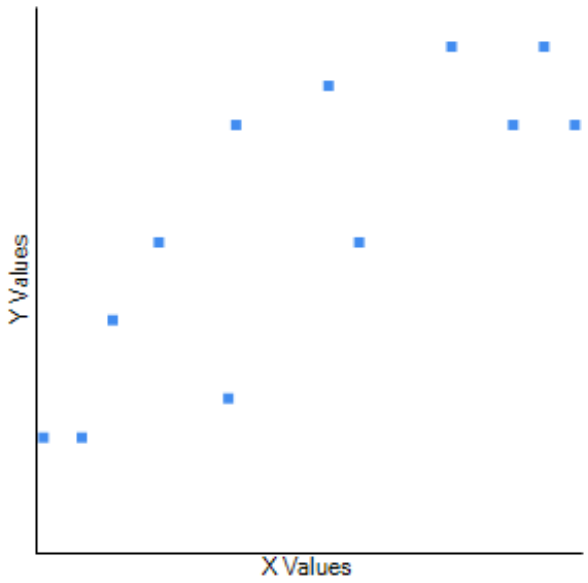


Fig. 360. Correlation between average temperature and rainy days in Port St Johns.

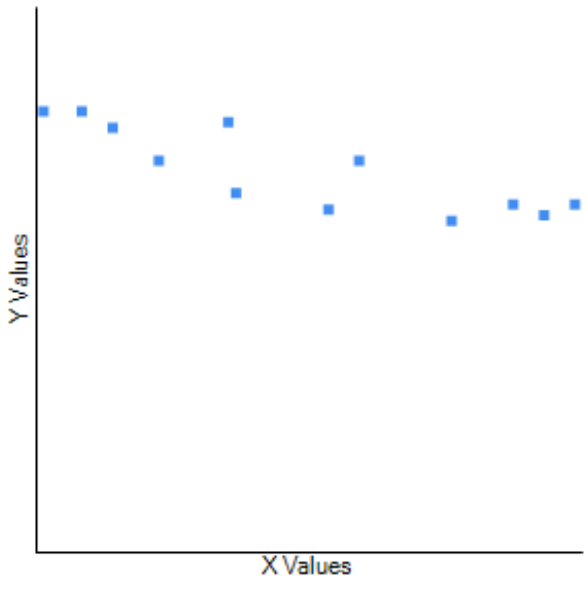


Fig. 361. Correlation between average temperature and average sun hours in Port St Johns.

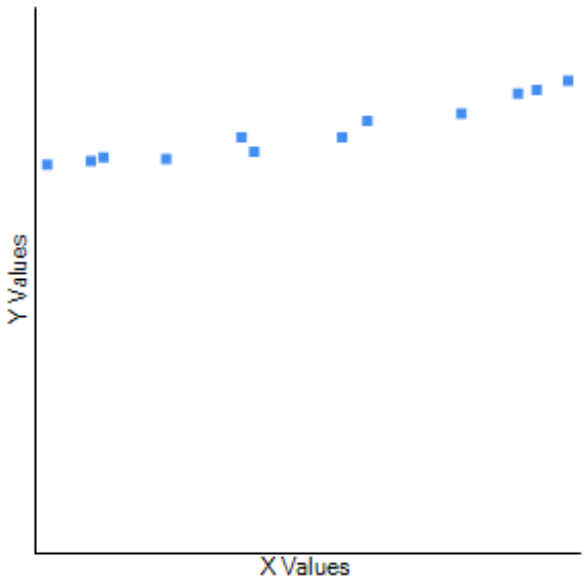


Fig. 362. Correlation between minimum and maximum temperature in Port St Johns.

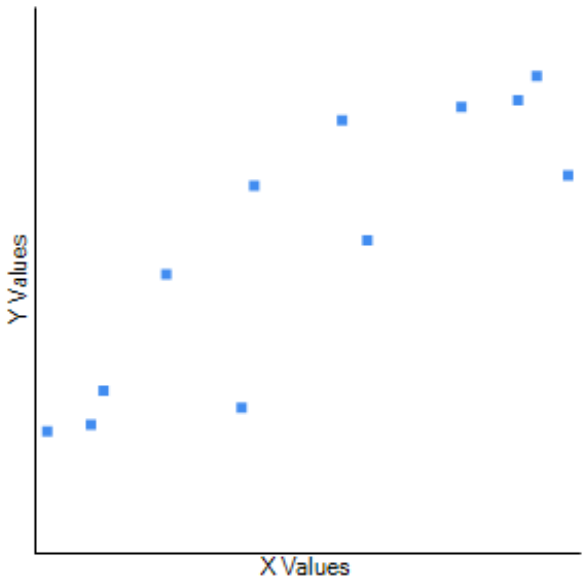


Fig. 363. Correlation between minimum temperature and precipitation in Port St Johns.

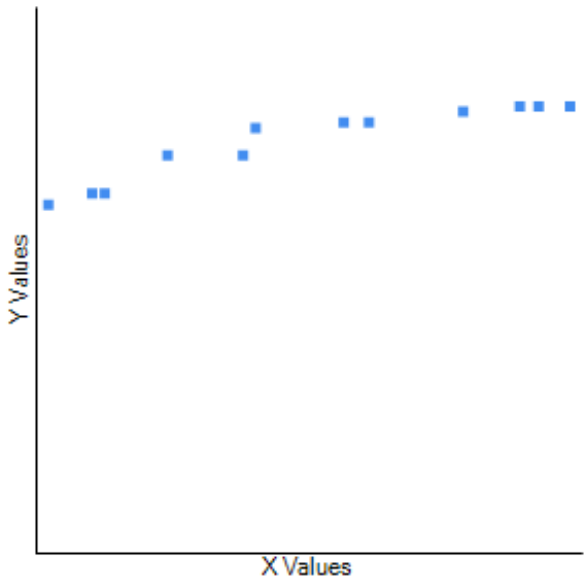


Fig. 364. Correlation between minimum temperature and humidity in Port St Johns.

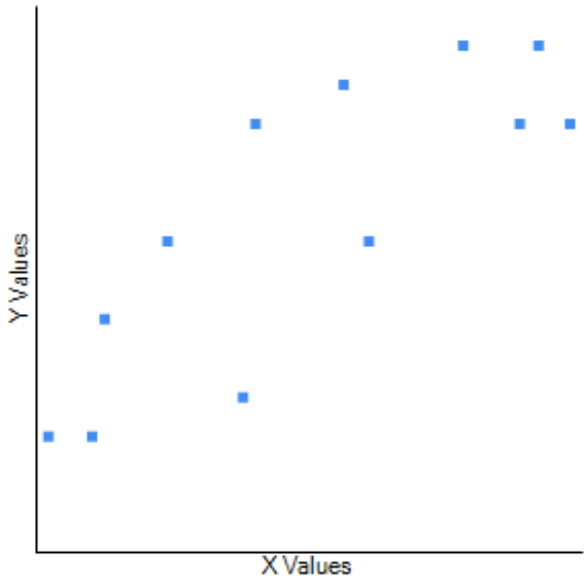


Fig. 365. Correlation between minimum temperature and rainy days in Port St Johns.

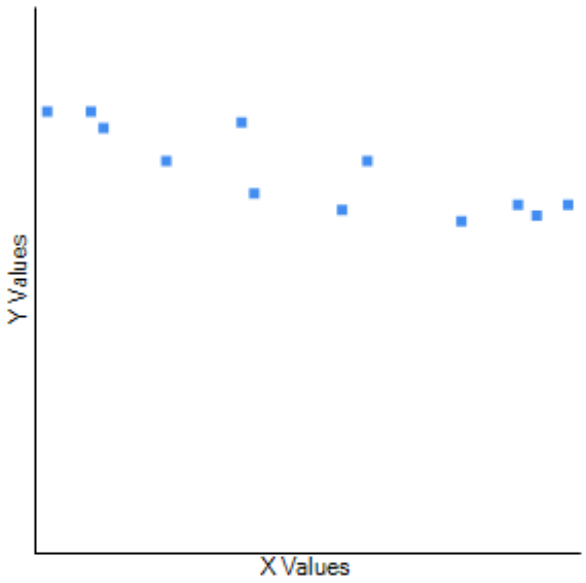


Fig. 366. Correlation between minimum temperature and average sun hours in Port St Johns.

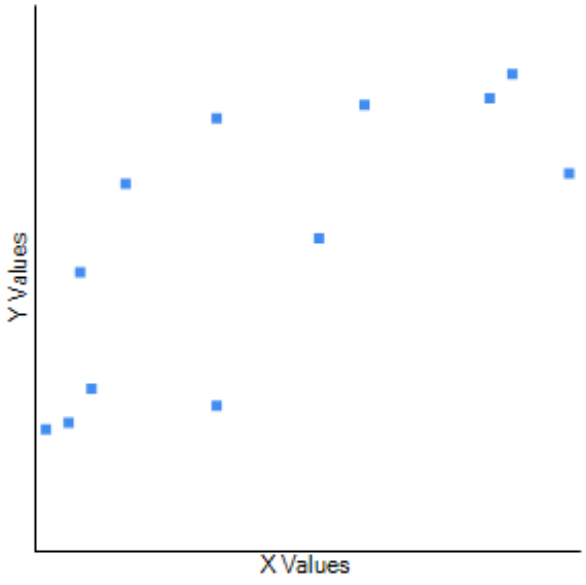


Fig. 367. Correlation between maximum temperature and precipitation in Port St Johns.

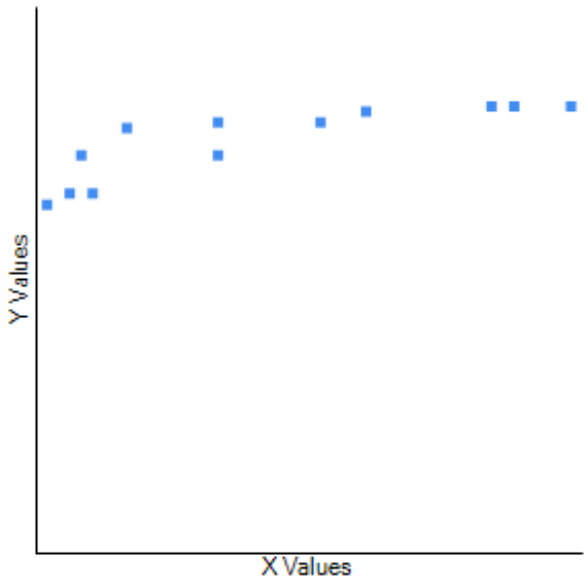


Fig. 368. Correlation between maximum temperature and humidity in Port St Johns.

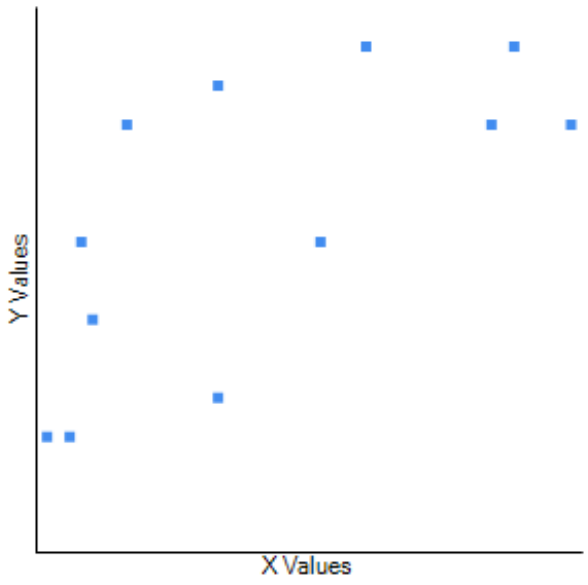


Fig. 369. Correlation between maximum temperature and rainy days in Port St Johns.

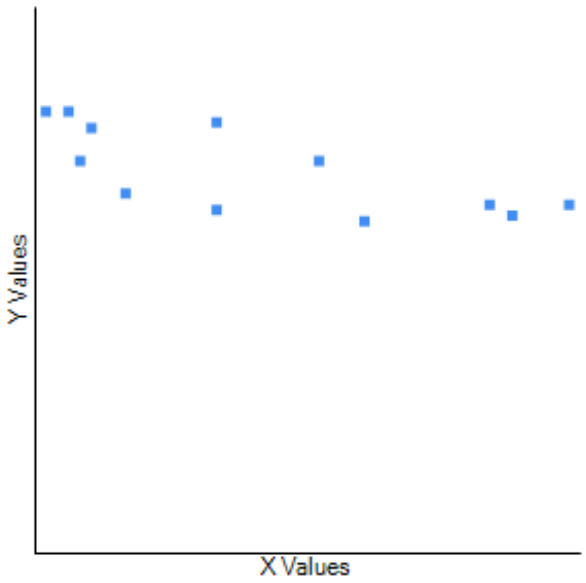


Fig. 370. Correlation between maximum temperature and average sun hours in Port St Johns.

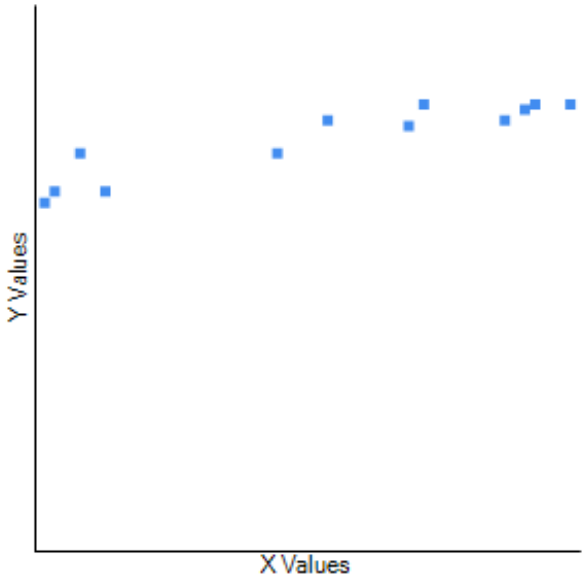


Fig. 371. Correlation between precipitation and humidity in Port St Johns.

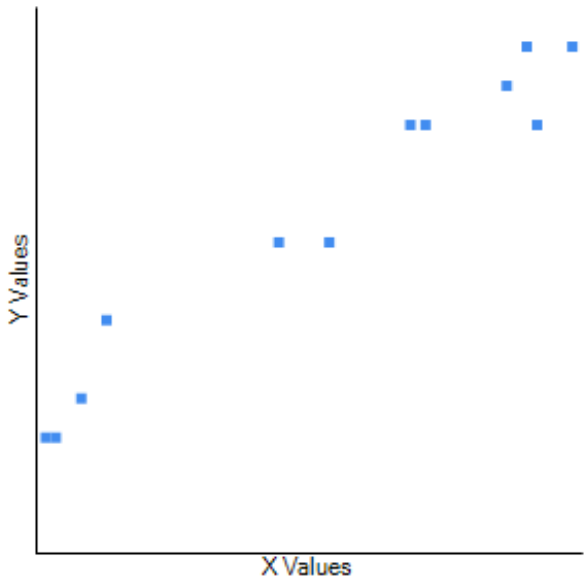


Fig. 372. Correlation between precipitation and rainy days in Port St Johns.

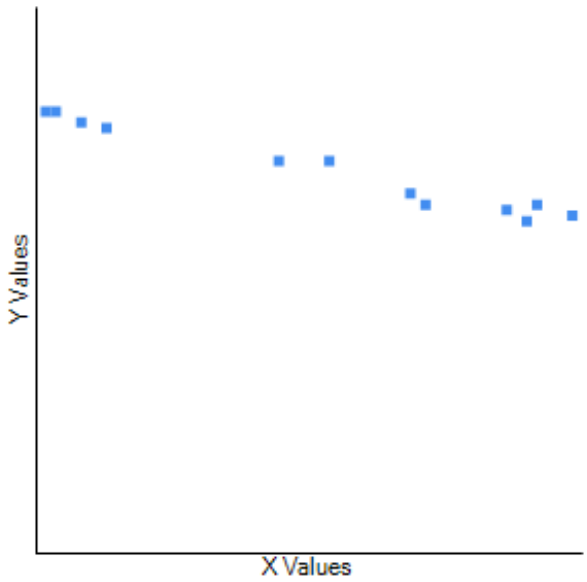


Fig. 373. Correlation between precipitation and average sun hours in Port St Johns.

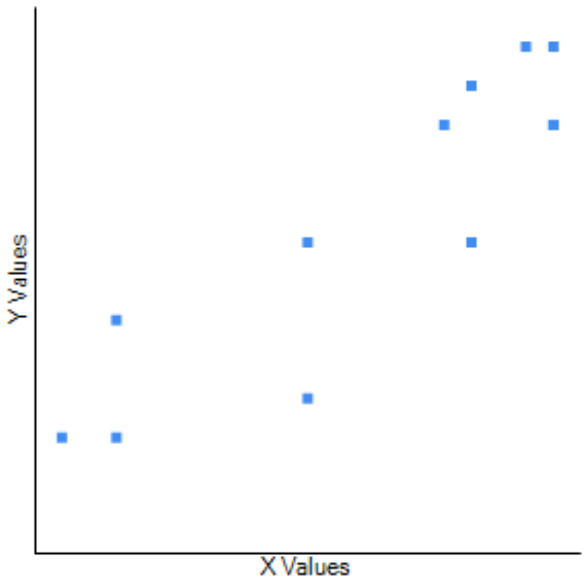


Fig. 374. Correlation between humidity and rainy days in Port St Johns.

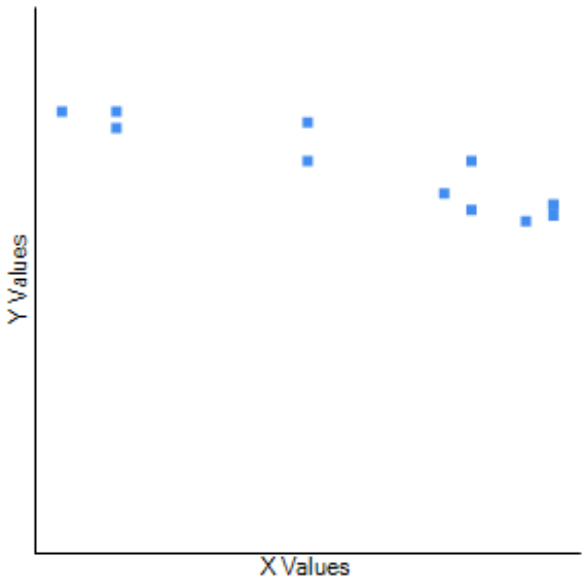


Fig. 375. Correlation between humidity and average sun hours in Port St Johns.

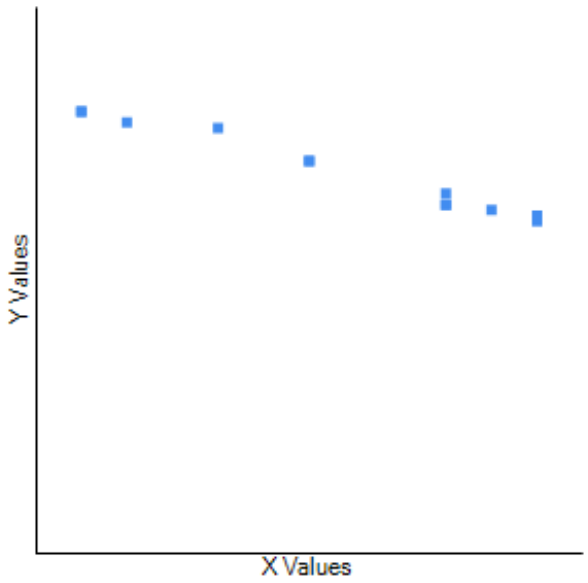


Fig. 376. Correlation between rainy days and average sun hours in Port St Johns.

Knysna

Average temperature was correlated with minimum temperature (Fig. 377: r=0.9999, r^2=0.9998, n=12, p<0.00001), maximum temperature (Fig. 378: r=0.9983, r^2=0.9966, n=12, p<0.00001), (not) precipitation (Fig. 379: r=-0.0191, r^2=0.0004, n=12, p=0.953019), humidity (Fig. 380: r=0.9387, r^2=0.8812, n=12, p<0.0001), (not) rainy days (Fig. 381: r=0.4353, r^2=0.1895, n=12, p=0.157258), and average sun hours (Fig. 382: r=-0.6723, r^2=0.452, n=12, p=0.016615). Minimum temperature was correlated with maximum temperature (Fig. 383: r=0.9987, r^2=0.9974, n=12, p<0.00001), (not) precipitation (Fig. 384: r=-0.0257, r^2=0.0007, n=12, p=0.93681), humidity (Fig. 385: r=0.9359, r^2=0.8759, n=12, p<0.00001), (not) rainy days (Fig. 386: r=0.4278, r^2=0.183, n=12, p=0.165352), and average sun hours (Fig. 387: r=-0.6657, r^2=0.4432, n=12, p=0.018128). Maximum temperature was (not) correlated with precipitation (Fig. 388: r=0.0668, r^2=0.0045, n=12, p=0.836584), humidity (Fig. 389: r=0.9213, r^2=0.8488, n=12, p=0.000021), (not) rainy days (Fig. 390: r=0.4018, r^2=0.1614, n=12, p=0.195419), and average sun hours (Fig. 391: r=-0.6387, r^2=0.4079, n=12, p=0.025383). Precipitation was correlated with humidity (Fig. 392: r=0.223, r^2=0.0497, n=12, p=0.486008), (not) rainy days (Fig. 393: r=0.3357, r^2=0.1127, n=12, p=0.286068), and (not) average sun hours (Fig. 394: r=-0.3674, r^2=0.135, n=12, p=0.240046). Humidity was (marginally) correlated with rainy days (Fig. 395: r=0.5242, r^2=0.2748, n=12, p=0.080207) and average sun hours (Fig. 396: r=-0.6889, r^2=0.4746, n=12, p=0.013221). Rainy days were correlated to average sun hours (Fig. 397: r=0.7251, r^2=0.5404, n=12, p=0.006451).

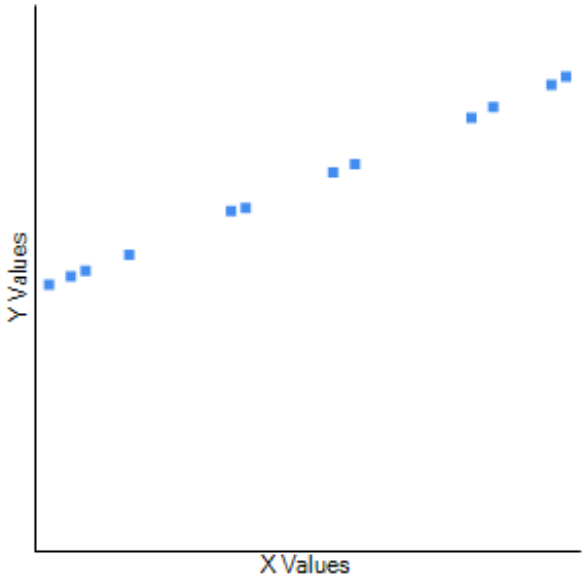


Fig. 377. Correlation between average temperature and minimum temperature in Knysna.

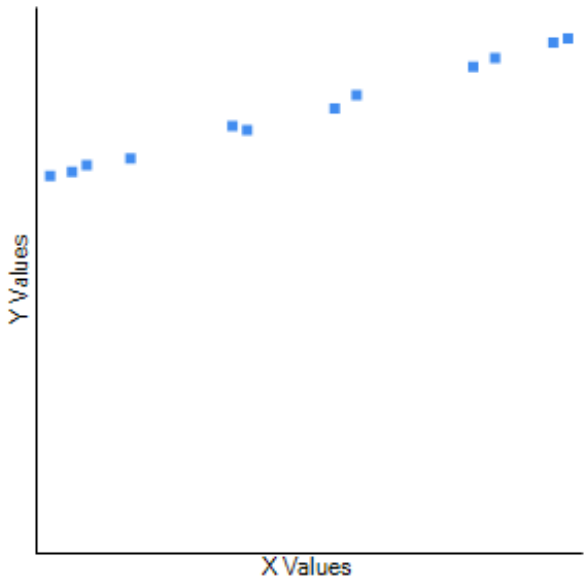


Fig. 378. Correlation between average and maximum temperature in Knysna.

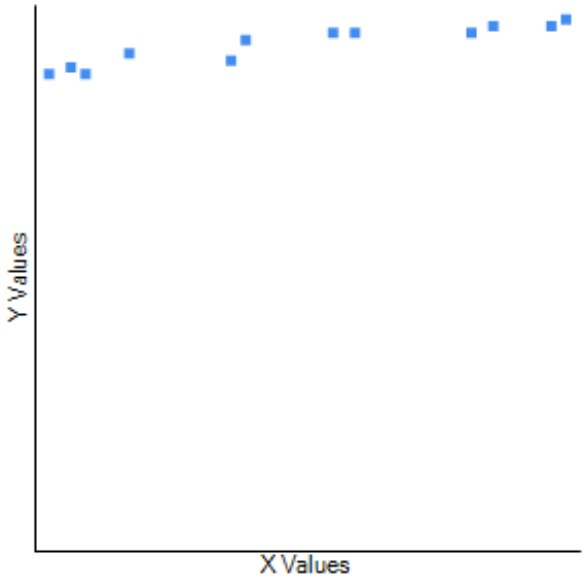


Fig. 380. Correlation between average temperature and humidity in Knysna.

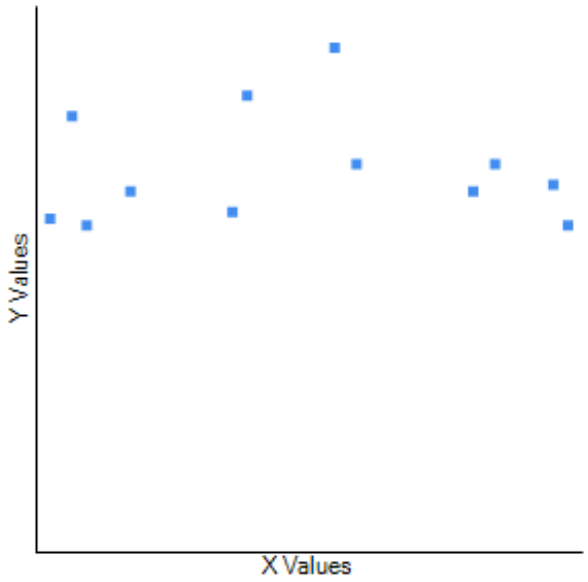


Fig. 379. Correlation between average temperature and precipitation in Knysna.

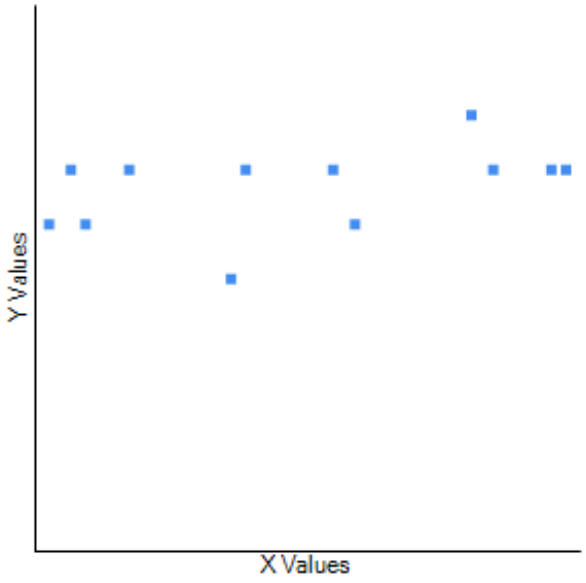


Fig. 381. Correlation between average temperature and rainy days in Knysna.

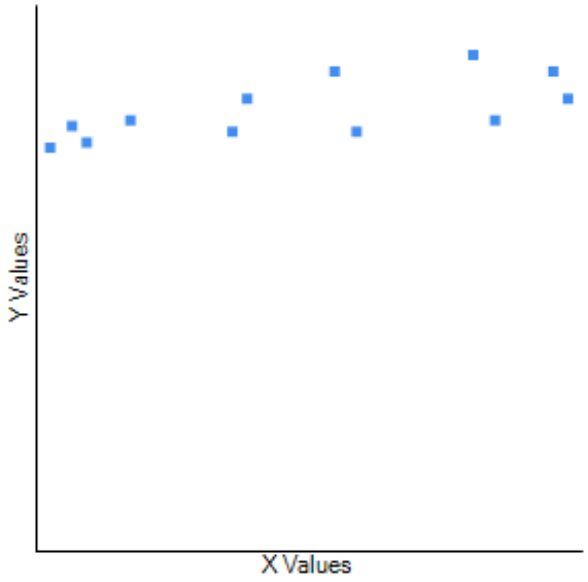


Fig. 382. Correlation between average temperature and average sun hours in Knysna.

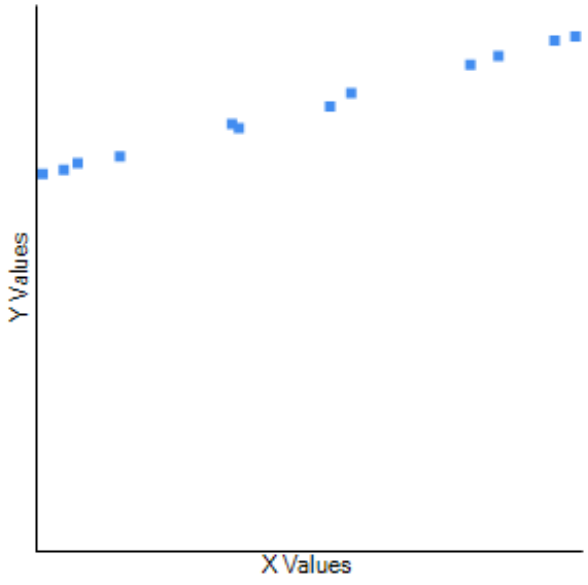


Fig. 383. Correlation between minimum and maximum temperature in Knysna.

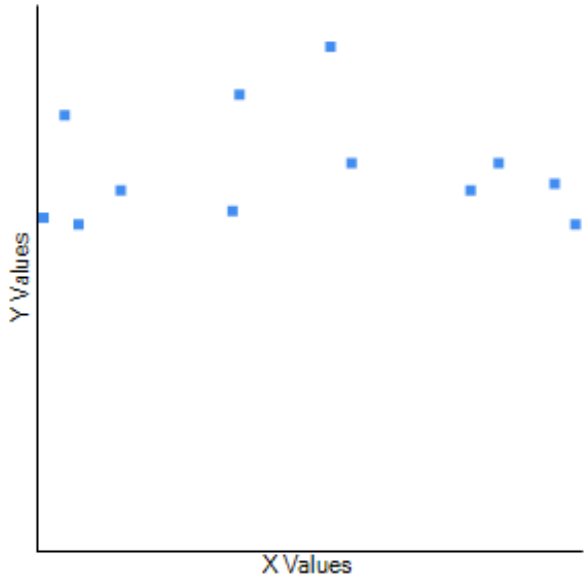


Fig. 384. Correlation between minimum temperature and precipitation in Knysna.

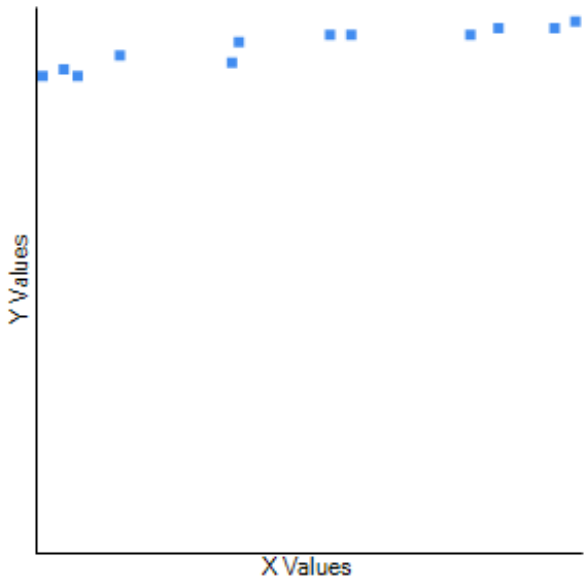


Fig. 385. Correlation between minimum temperature and humidity in Knysna.

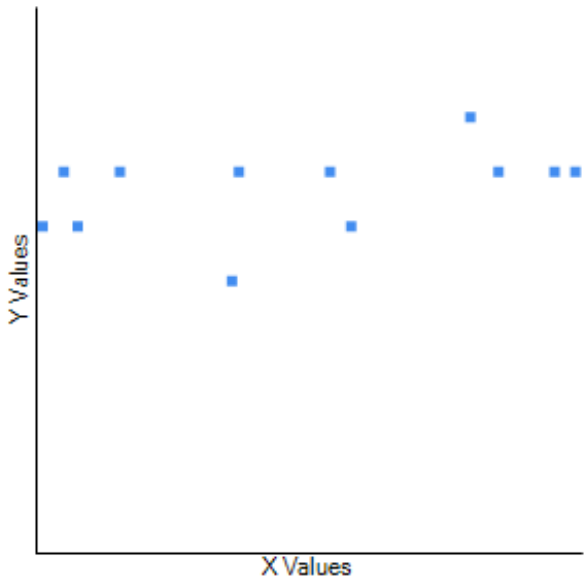


Fig. 386. Correlation between minimum temperature and rainy days in Knysna.

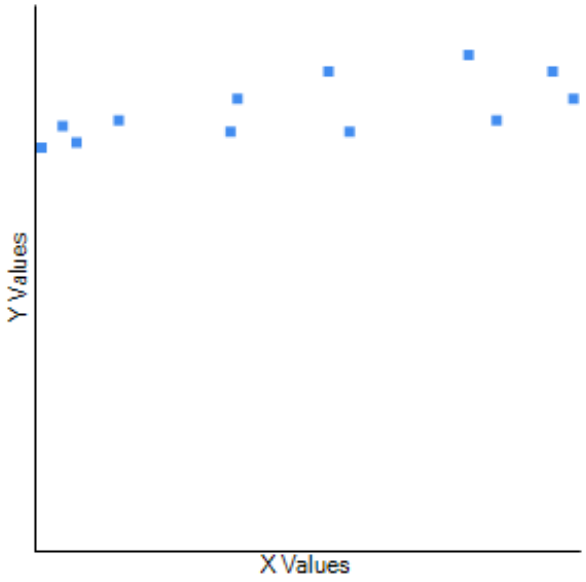


Fig. 387. Correlation between minimum temperature and average sun hours in Knysna.

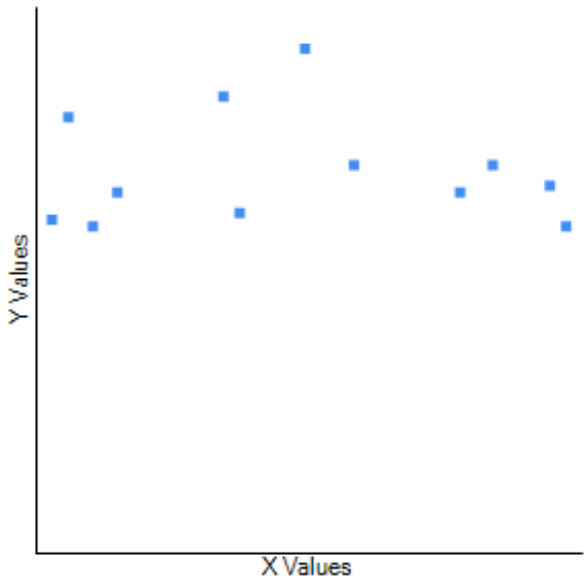


Fig. 388. Correlation between maximum temperature and precipitation in Knysna.

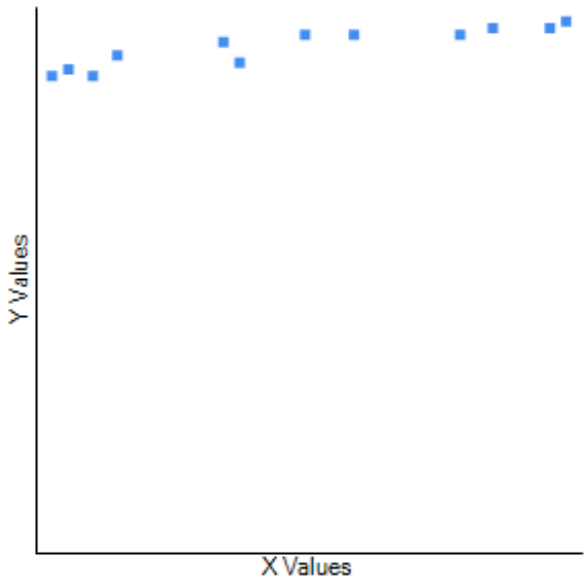


Fig. 389. Correlation between maximum temperature and humidity in Knysna.

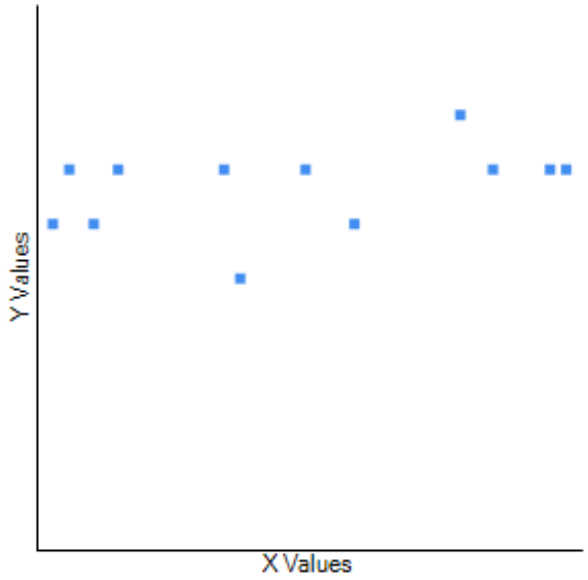


Fig. 390. Correlation between maximum temperature and rainy days in Knysna.

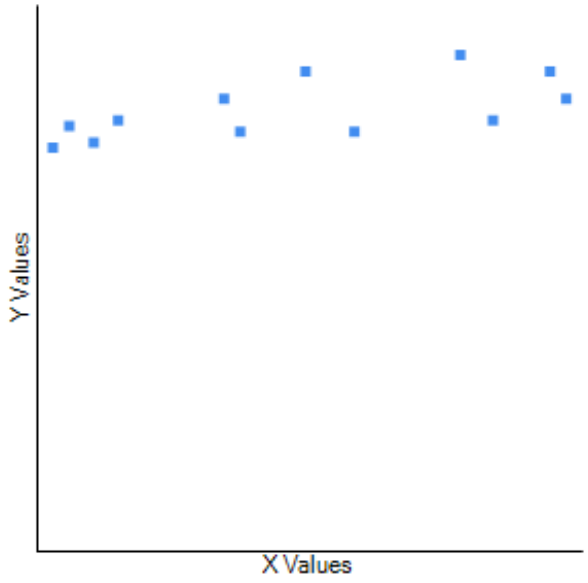


Fig. 391. Correlation between maximum temperature and average sun hours in Knysna.

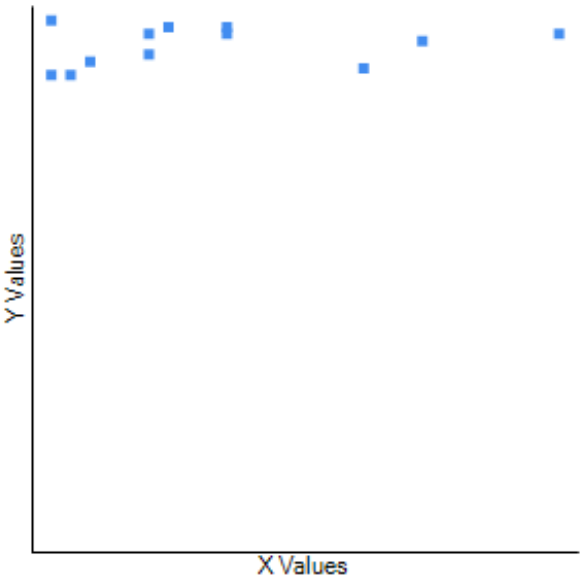


Fig. 392. Correlation between precipitation and humidity in Knysna.

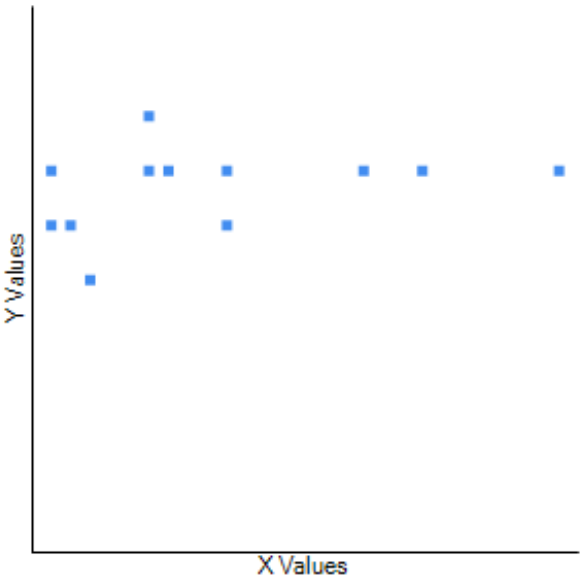


Fig. 393. Correlation between precipitation and rainy days in Knysna.

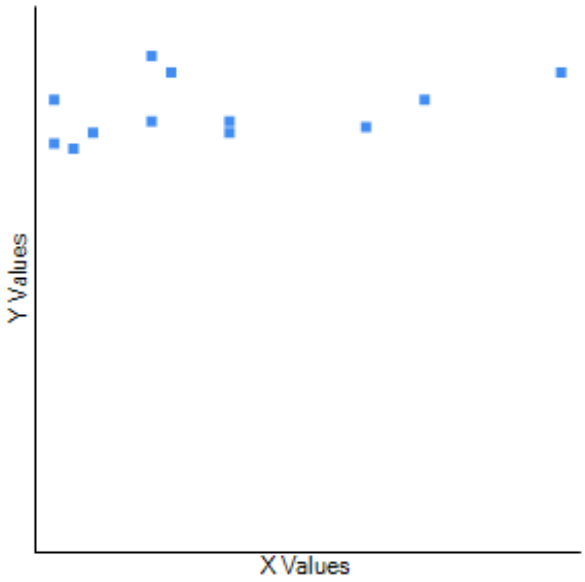


Fig. 394. Correlation between precipitation and average sun hours in Knysna.

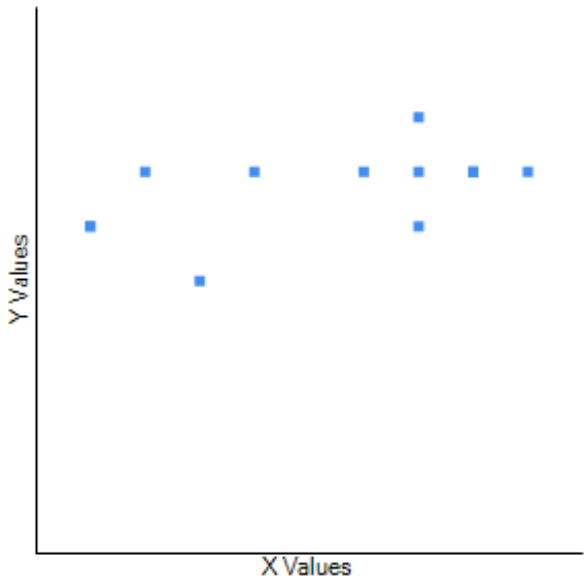


Fig. 395. Correlation between humidity and rainy days in Knysna.

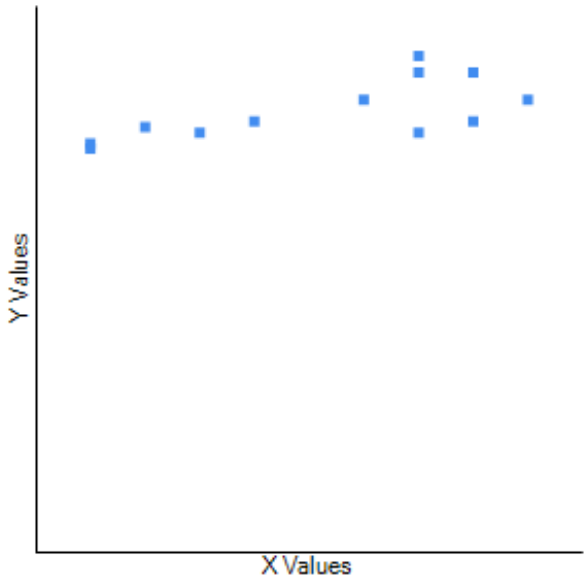


Fig. 396. Correlation between humidity and average sun hours in Knysna.

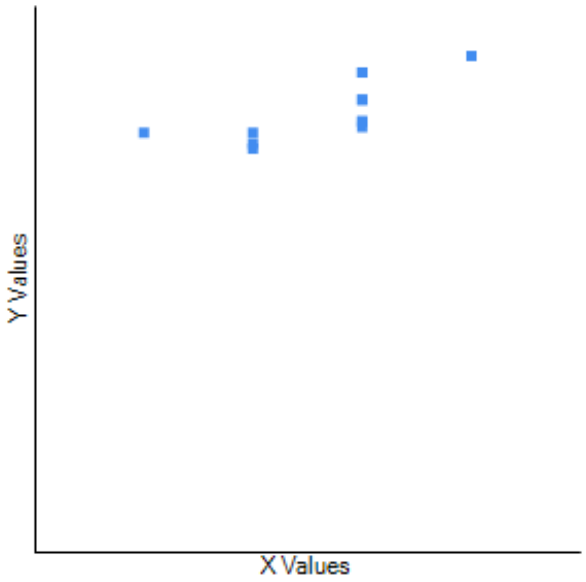


Fig. 397. Correlation between rainy days and average sun hours in Knysna.

<u>Bot River</u>

Average temperature was correlated with minimum temperature (Fig. 398: $r=0.9982$, $r^2=0.9964$, $n=12$, $p<0.00001$), maximum temperature (Fig. 399: $r=0.9997$, $r^2=0.9994$, $n=12$, $p<0.00001$), precipitation (Fig. 400: $r=-0.9309$, $r^2=0.8666$, $n=12$, $p<0.00001$), humidity (Fig. 401: $r=0.9624$, $r^2=0.9262$, $n=12$, $p<0.00001$), rainy days (Fig. 402: $r=-0.9618$, $r^2=0.9251$, $n=12$, $p<0.00001$), and average sun hours (Fig. 403: $r=-0.881$, $r^2=0.7762$, $n=12$, $p=0.000153$). Minimum temperature was correlated with maximum temperature (Fig. 404: $r=0.997$, $r^2=0.994$, $n=12$, $p<0.00001$), precipitation (Fig. 405: $r=-0.9223$, $r^2=0.8506$, $n=12$, $p=0.00002$), humidity (Fig. 406: $r=-0.9475$, $r^2=0.8978$, $n=12$, $p<0.00001$), rainy days (Fig. 407: $r=-0.9599$, $r^2=0.9214$, $n=12$, $p<0.00001$), and average sun hours (Fig. 408: $r=-0.8535$, $r^2=0.7285$, $n=12$, $p=0.000413$).

Maximum temperature was correlated with precipitation (Fig. 409: r=-0.9217, r^2=0.8681, n=12, p<0.00001), humidity (Fig. 410: r=-0.9646, r^2=0.9305, n=12, p<0.00001), rainy days (Fig. 411: r=0.9638, r^2=0.9289, n=12, p<0.00001), and average sun hours (Fig. 412: r=-0.8857, r^2=0.7845, n=12, p=0.000126). Precipitation was correlated with humidity (Fig. 413: r=0.9116, r^2=0.831, n=12, p<0.00001), rainy days (Fig. 414: r=0.9168, r^2=0.8405, n=12, p=0.000027), and average sun hours (Fig. 415: r=-0.8753, r^2=0.7662, n=12, p=0.000192). Humidity was correlated with rainy days (Fig. 416: r=0.9182, r^2=0.8431, n=12, p=0.000025) and average sun hours (Fig. 417: r=-0.9676, r^2=0.9362, n=12, p<0.00001). Rainy days were correlated to average sun hours (Fig. 418: r=-0.8565, r^2=0.7336, n=12, p=0.000375).

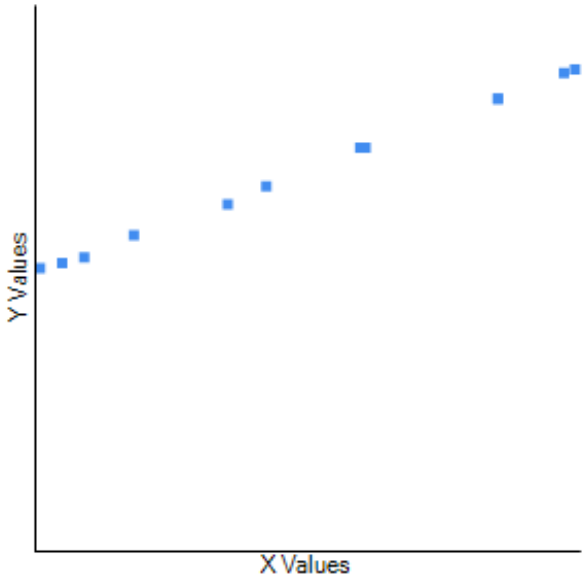


Fig. 399. Correlation between average and maximum temperature in Bot River.

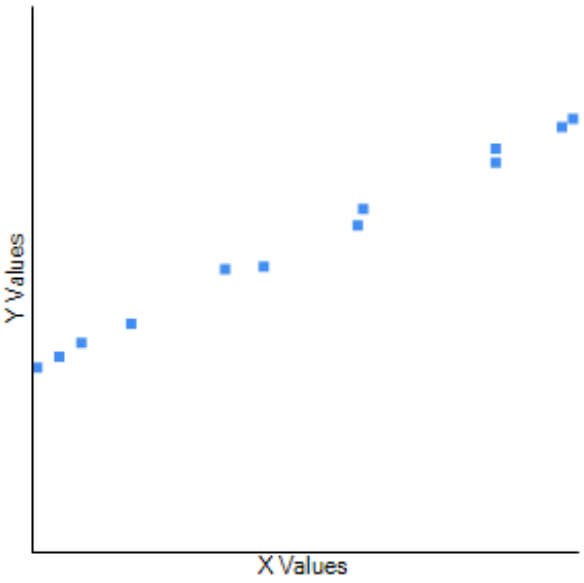


Fig. 398. Correlation between average temperature and minimum temperature in Bot River.

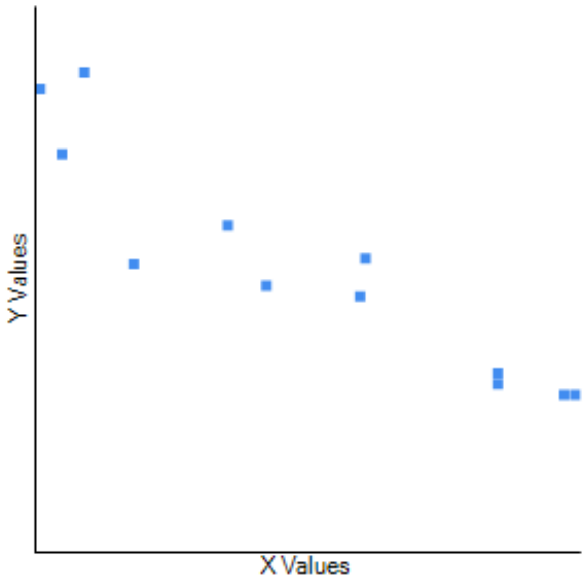


Fig. 400. Correlation between average temperature and precipitation in Bot River.

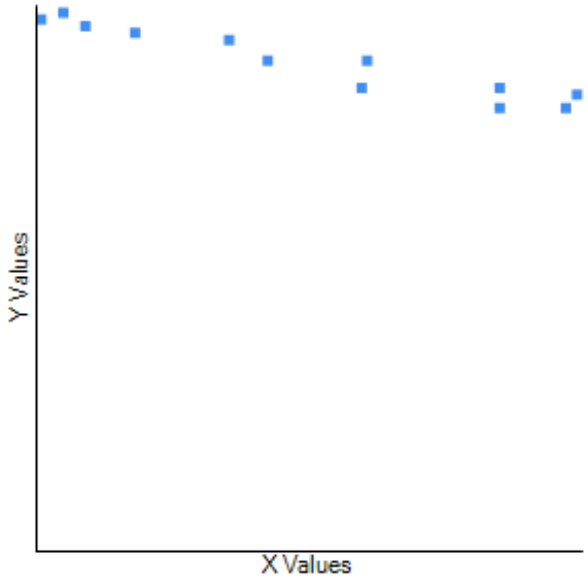


Fig. 401. Correlation between average temperature and humidity in Bot River.

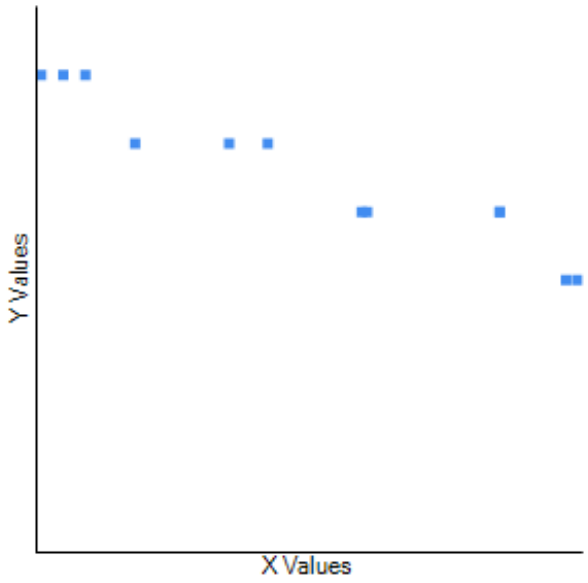


Fig. 402. Correlation between average temperature and rainy days in Bot River.

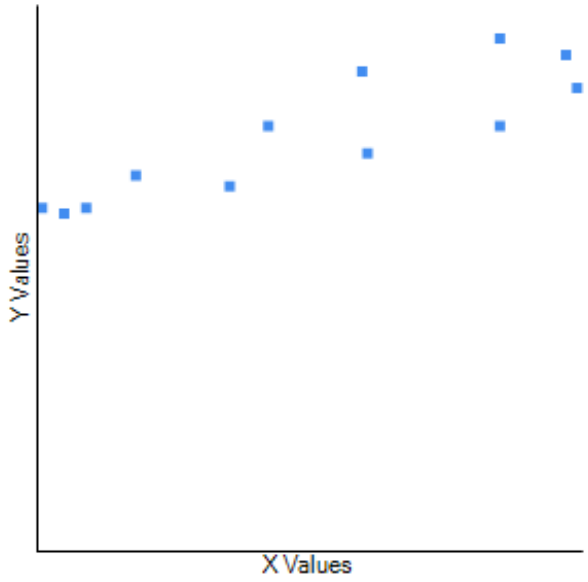


Fig. 403. Correlation between average temperature and average sun hours in Bot River.

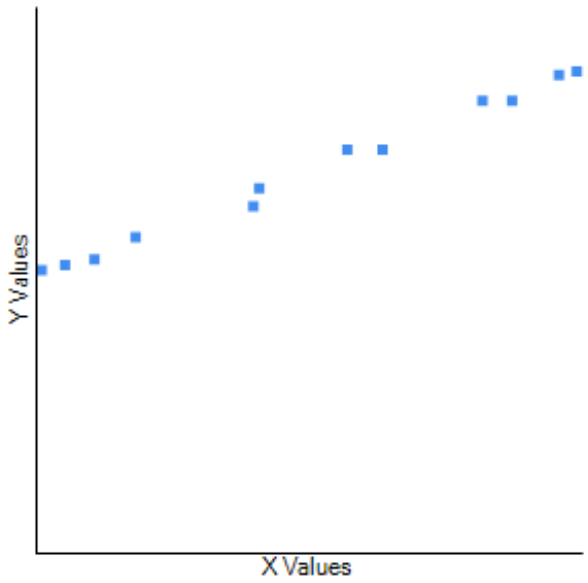


Fig. 404. Correlation between minimum and maximum temperature in Bot River.

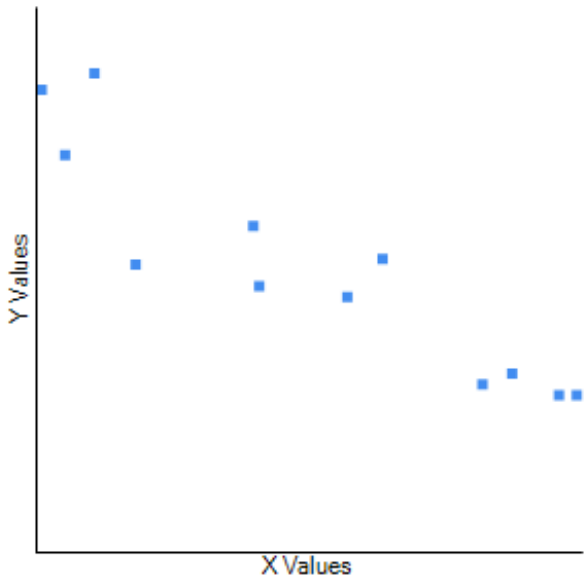


Fig. 405. Correlation between minimum temperature and precipitation in Bot River.

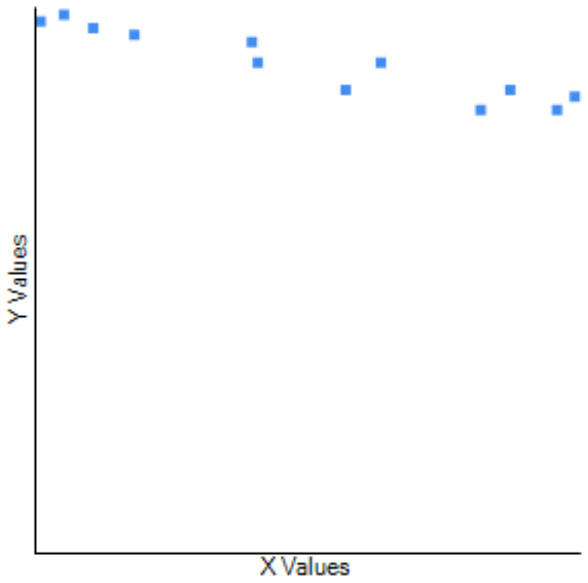


Fig. 406. Correlation between minimum temperature and humidity in Bot River.

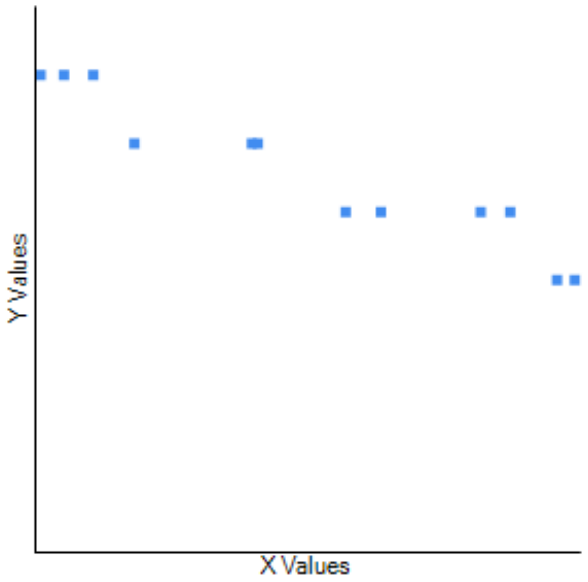


Fig. 407. Correlation between minimum temperature and rainy days in Bot River.

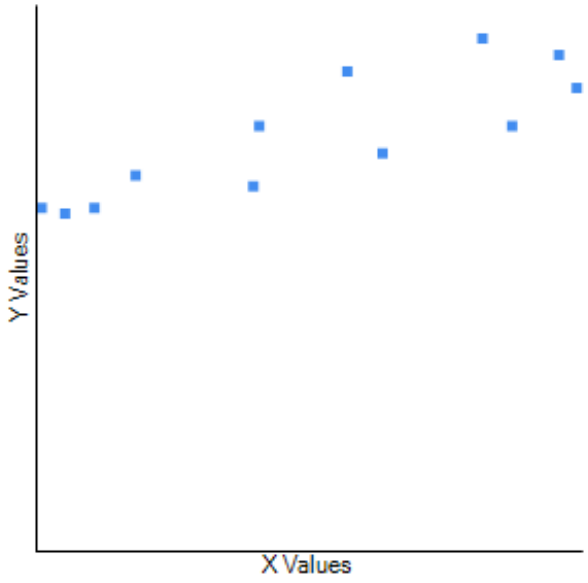


Fig. 408. Correlation between minimum temperature and average sun hours in Bot River.

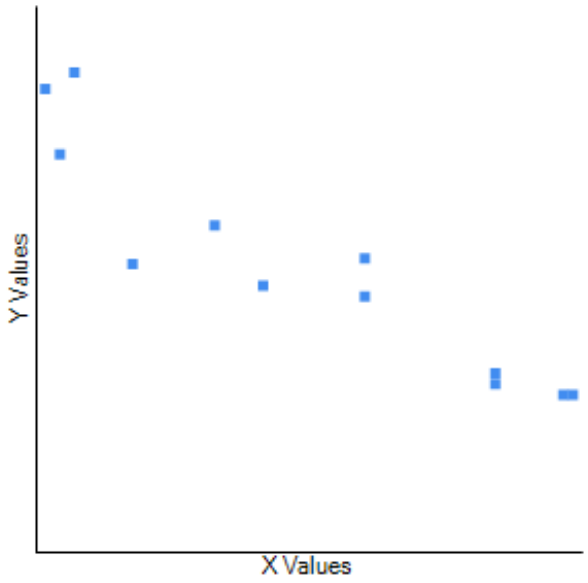


Fig. 409. Correlation between maximum temperature and precipitation in Bot River.

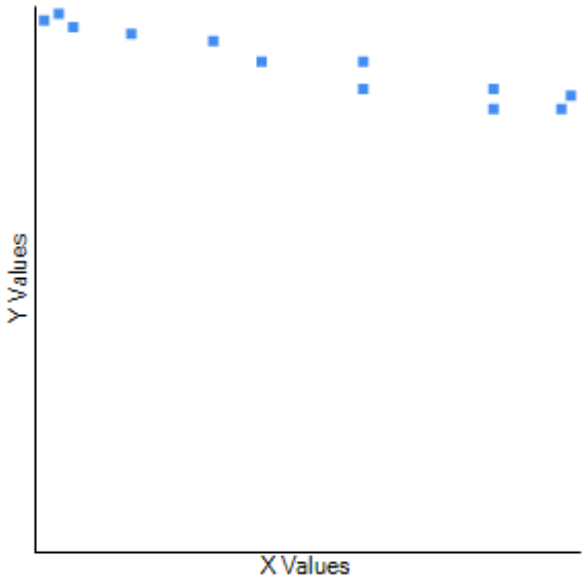


Fig. 410. Correlation between maximum temperature and humidity in Bot River.

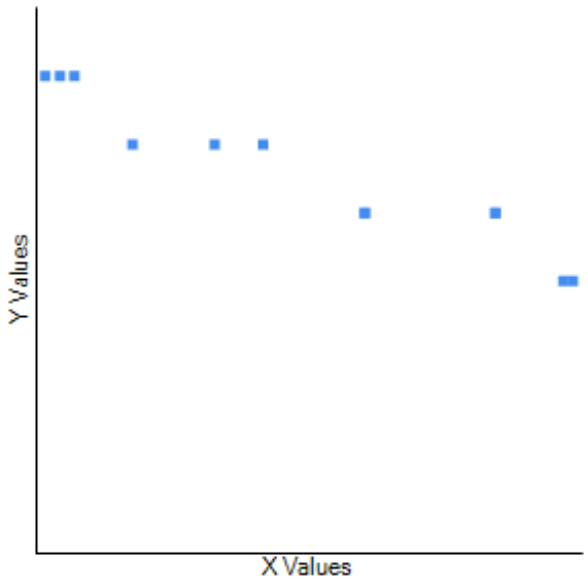


Fig. 411. Correlation between maximum temperature and rainy days in Bot River.

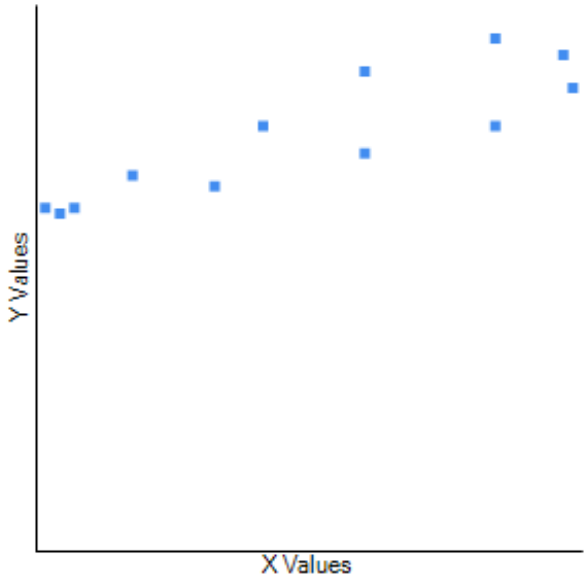


Fig. 412. Correlation between maximum temperature and average sun hours in Bot River.

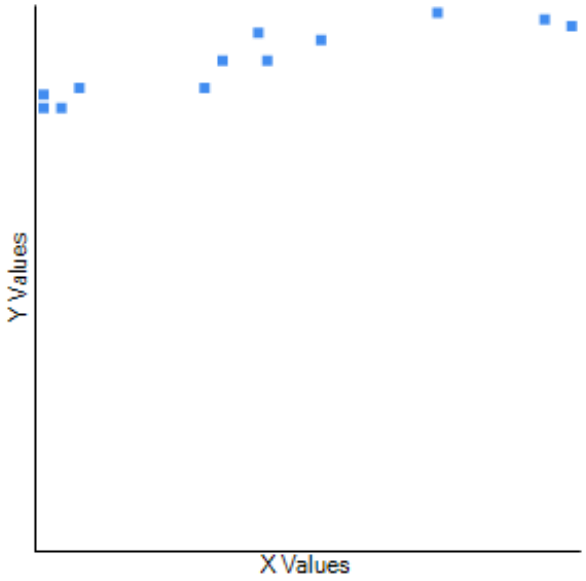


Fig. 413. Correlation between precipitation and humidity in Bot River.

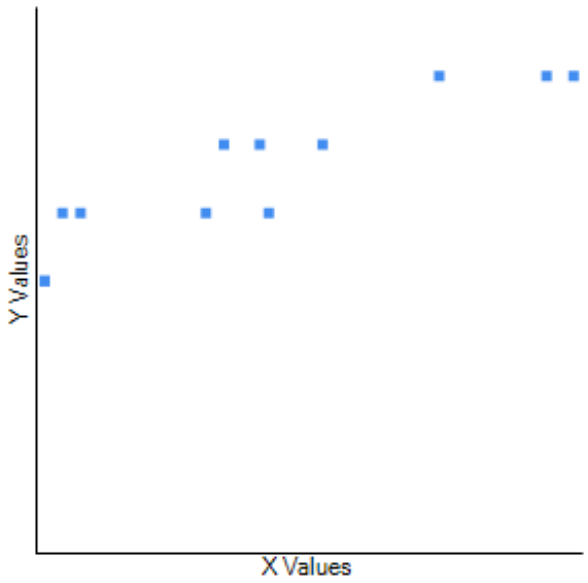


Fig. 414. Correlation between precipitation and rainy days in Bot River.

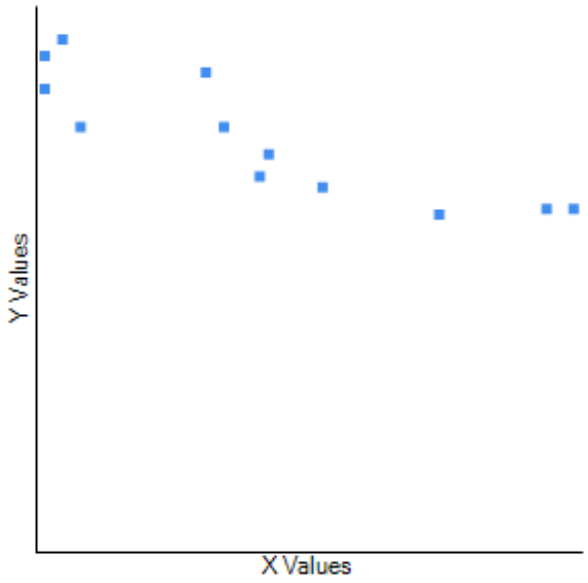


Fig. 415. Correlation between precipitation and average sun hours in Bot River.

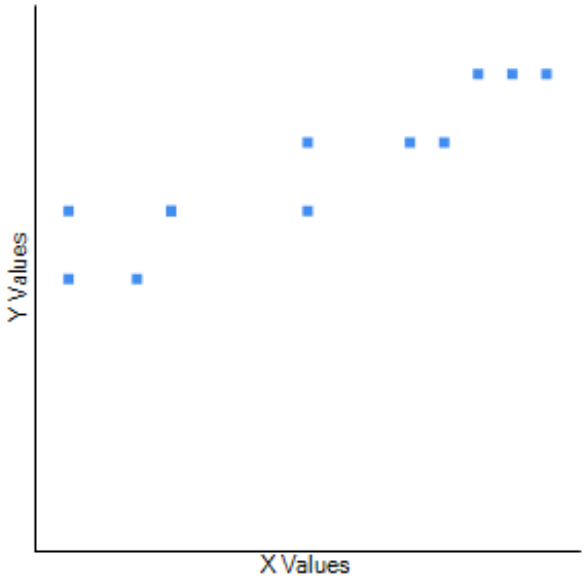


Fig. 416. Correlation between humidity and rainy days in Bot River.

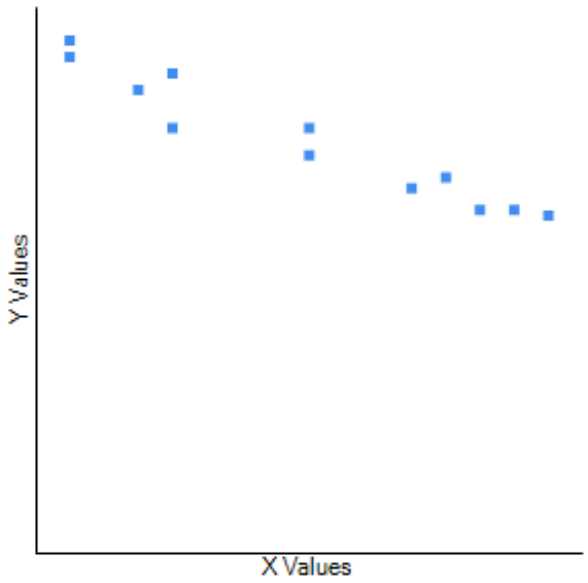


Fig. 417. Correlation between humidity and average sun hours in Bot River.

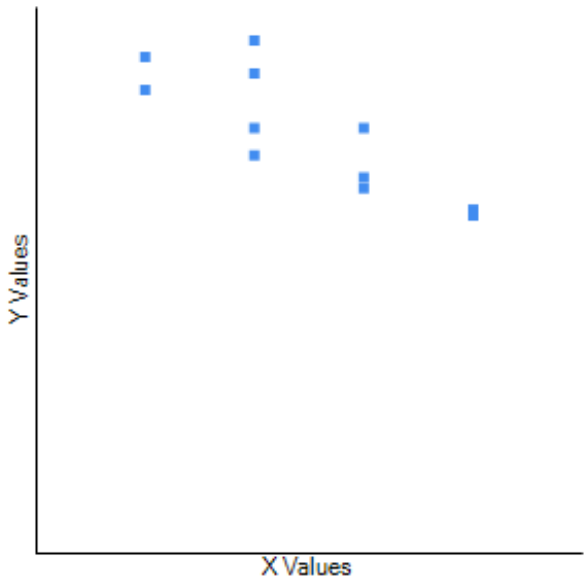


Fig. 418. Correlation between rainy days and average sun hours in Bot River.

Gqeberha

Average temperature was correlated with minimum temperature (Fig. 419: r=0.8835, r^2=0.7806, n=12, p=0.000139), maximum temperature (Fig. 420: r=0.8882, r^2=0.7889, n=12, p=0.000114), (not) precipitation (Fig. 421: r=-0.2911, r^2=0.0847, n=12, p=0.358634), humidity (Fig. 422: r=0.6998, r^2=0.4897, n=12, p=0.011291), (not) rainy days (Fig. 423: r=0.2641, r^2=0.0697, n=12, p=0.407024), and (marginally with) average sun hours (Fig. 424: r=-0.5504, r^2=0.3029, n=12, p=0.063693). Minimum temperature was correlated with maximum temperature (Fig. 425: r=0.9894, r^2=0.9789, n=12, p<0.00001), (not) precipitation (Fig. 426: r=-0.1101, r^2=0.0121, n=12, p=0.733383), humidity (Fig. 427: r=0.8773, r^2=0.7697, n=12, p=0.000178), (not) rainy days (Fig. 428: r=0.3687, r^2=0.1359, n=12, p=0.238259), and (marginally with) average sun hours (Fig. 429: r=-0.5063, r^2=0.2563, n=12, p=0.093031). Maximum temperature was (not) correlated with precipitation (Fig. 430: r=-0.1958, r^2=0.0383, n=12, p=0.541945), humidity (Fig. 431: r=0.8522, r^2=0.7262, n=12, p=0.000431), rainy days (Fig. 432: r=0.2708, r^2=0.0733, n=12, p=0.394586), and average sun hours (Fig. 433: r=-0.4123, r^2=0.17, n=12, p=0.182899). Precipitation was (not) correlated with humidity (Fig. 434: r=-0.0572, r^2=0.0033, n=12, p=0.859847), rainy days (Fig. 435: r=0.6226, r^2=0.3876, n=12, p=0.030599), and (not) average sun hours (Fig. 436: r=-0.1738, r^2=0.0302, n=12, p=0.589054). Humidity was (not) correlated with rainy days (Fig. 437: r=0.3851, r^2=0.1483, n=12, p=0.216392) and (not) average sun hours (Fig. 438: r=0.3198, r^2=0.1023, n=12, p=0.310904). Rainy days were correlated to average sun hours (Fig. 439: r=0.6331, r^2=0.4008, n=12, p=0.027118).

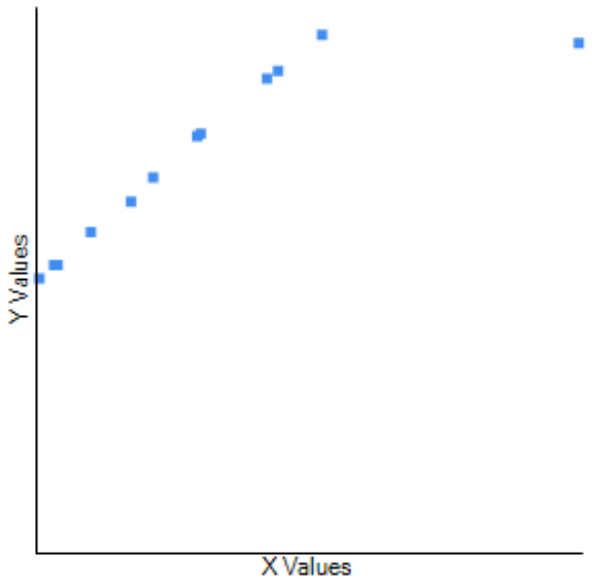


Fig. 419. Correlation between average temperature and minimum temperature in Gqeberha.

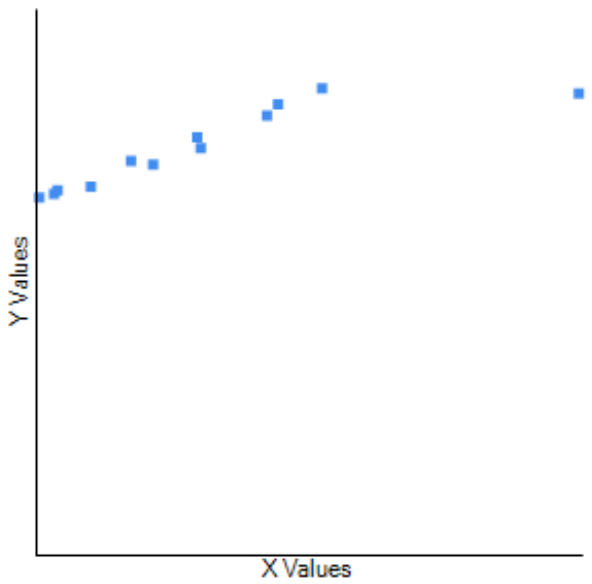


Fig. 420. Correlation between average and maximum temperature in Gqeberha.

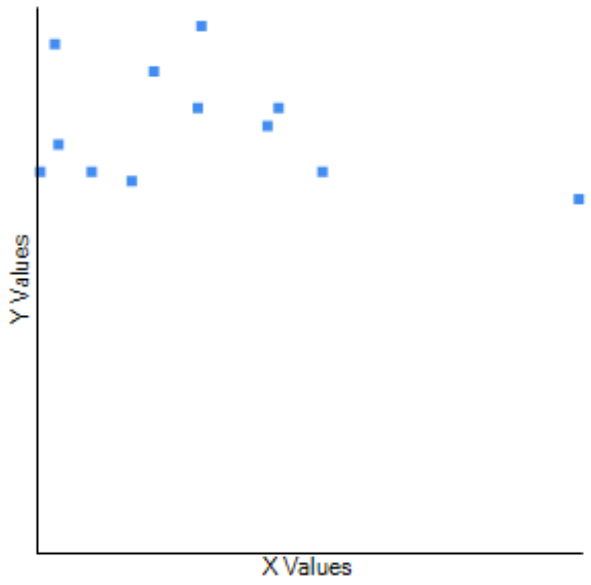


Fig. 421. Correlation between average temperature and precipitation in Gqeberha.

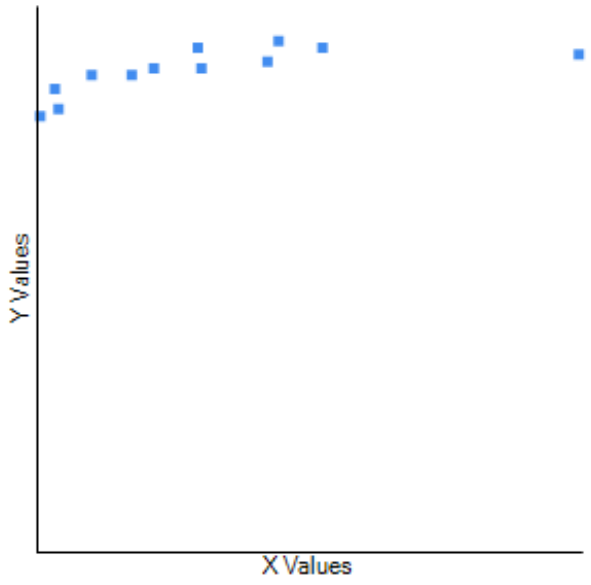


Fig. 422. Correlation between average temperature and humidity in Gqeberha.

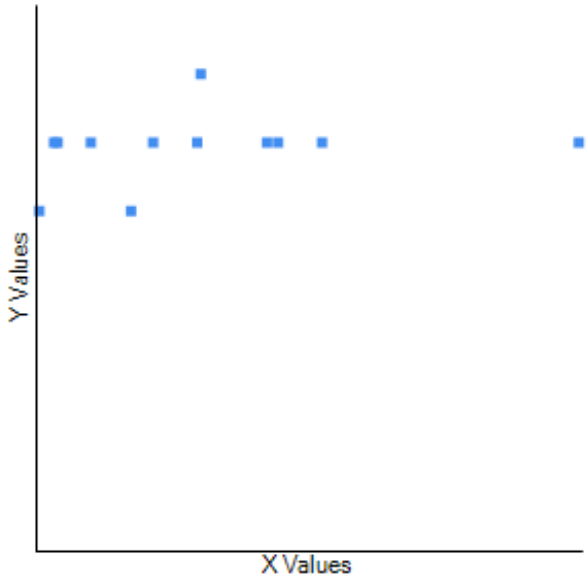


Fig. 423. Correlation between average temperature and rainy days in Gqeberha.

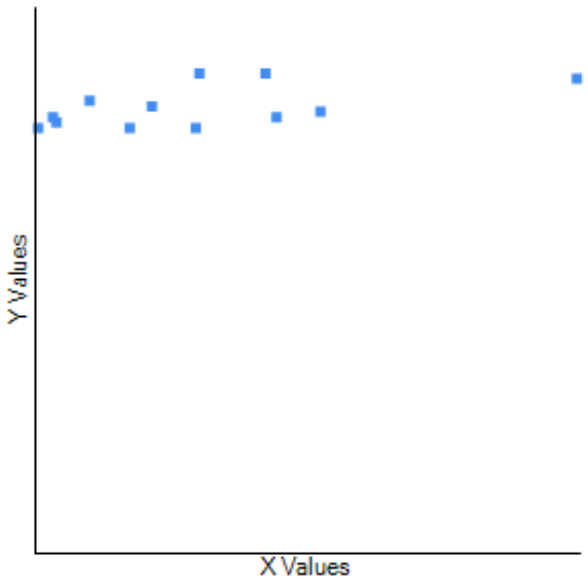


Fig. 424. Correlation between average temperature and average sun hours in Gqeberha.

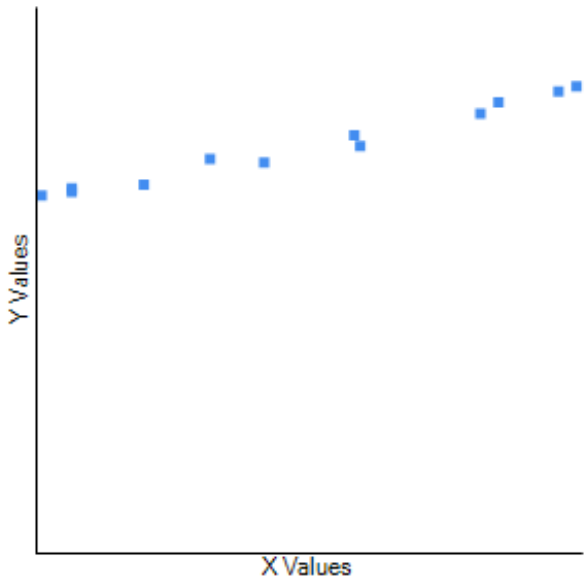


Fig. 425. Correlation between minimum and maximum temperature in Gqeberha.

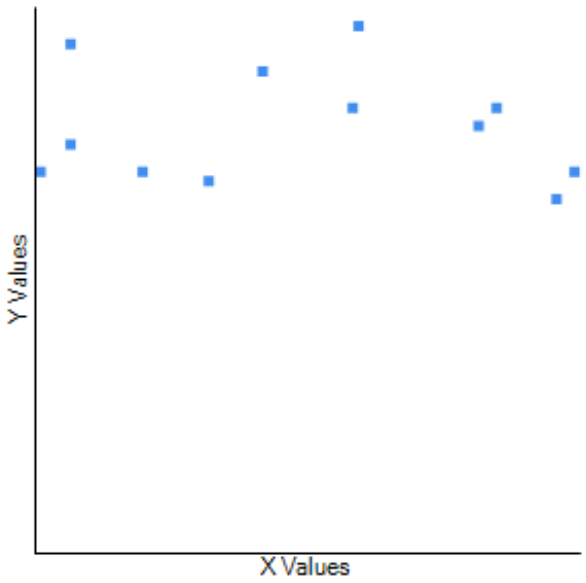


Fig. 426. Correlation between minimum temperature and precipitation in Gqeberha.

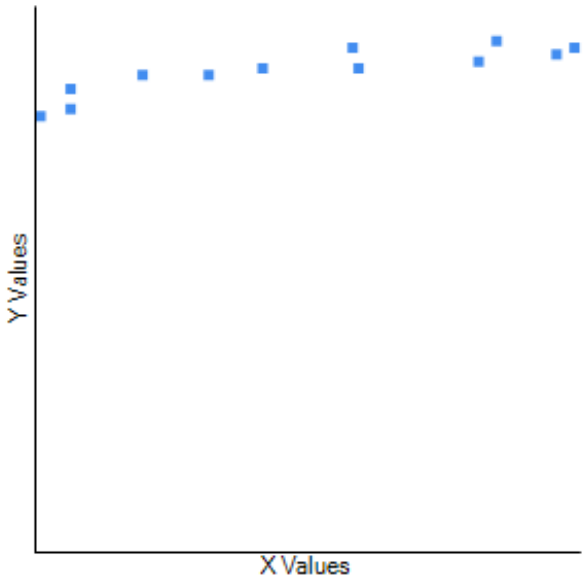


Fig. 427. Correlation between minimum temperature and humidity in Gqeberha.

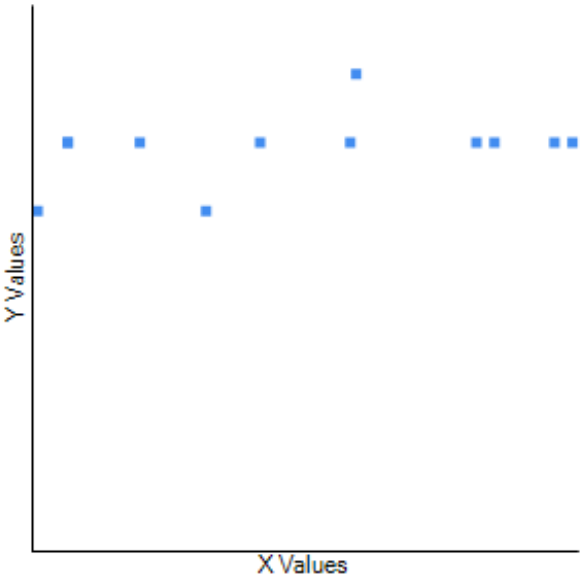


Fig. 428. Correlation between minimum temperature and rainy days in Gqeberha.

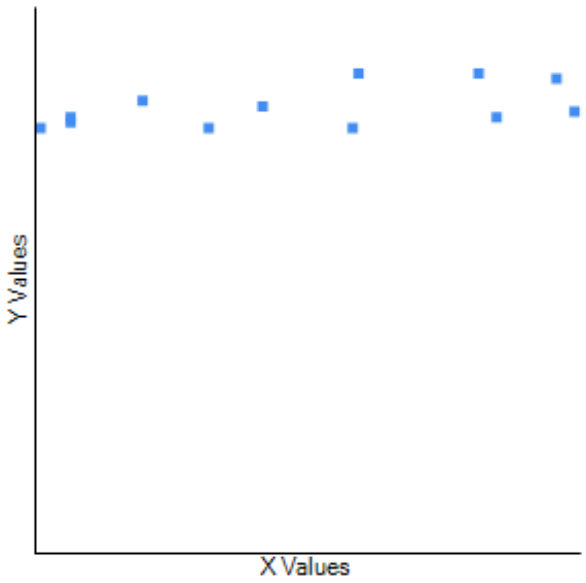


Fig. 429. Correlation between minimum temperature and average sun hours in Gqeberha.

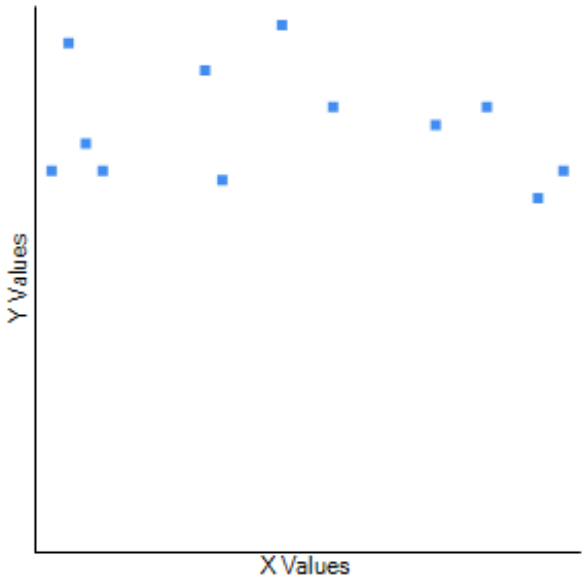


Fig. 430. Correlation between maximum temperature and precipitation in Gqeberha.

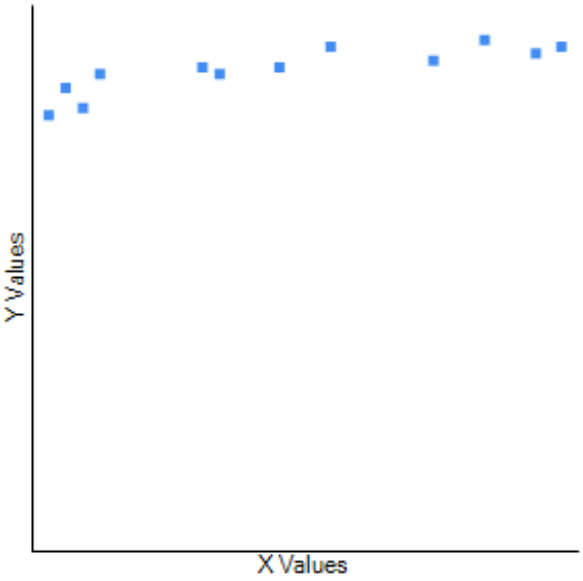


Fig. 431. Correlation between maximum temperature and humidity in Gqeberha.

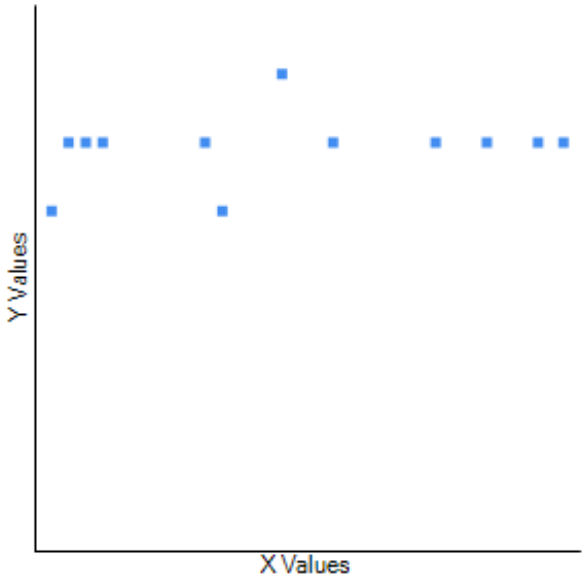


Fig. 432. Correlation between maximum temperature and rainy days in Gqeberha.

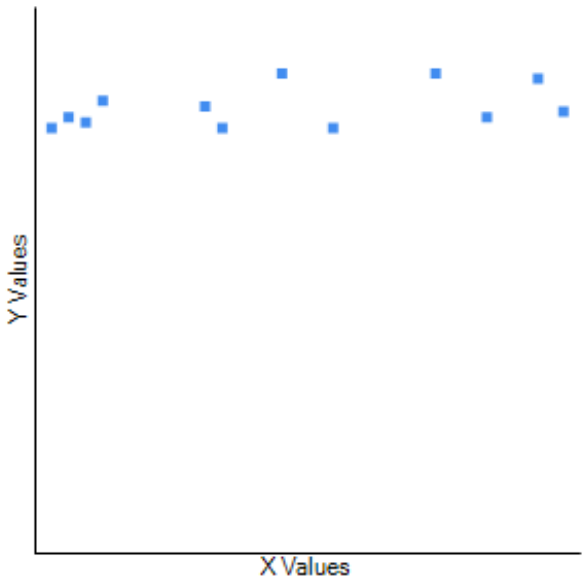


Fig. 433. Correlation between maximum temperature and average sun hours in Gqeberha.

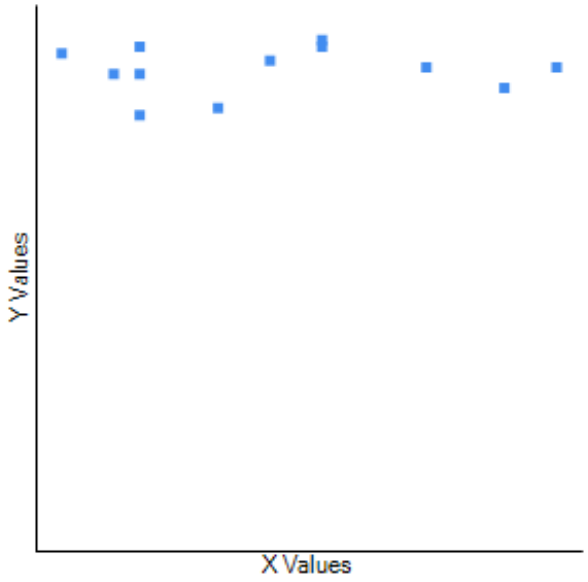


Fig. 434. Correlation between precipitation and humidity in Gqeberha.

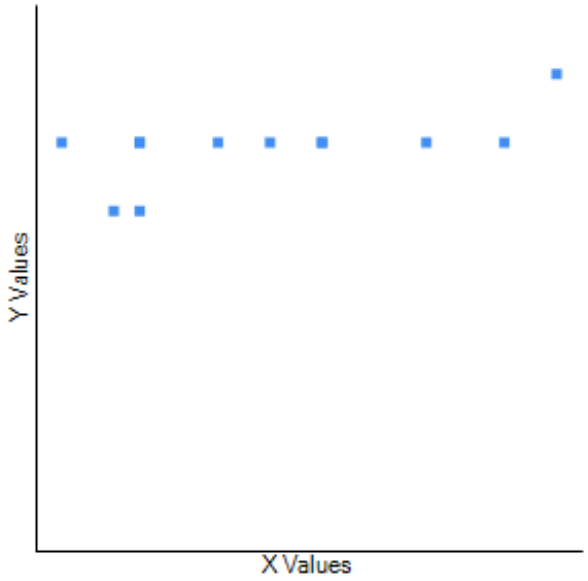


Fig. 435. Correlation between precipitation and rainy days in Gqeberha.

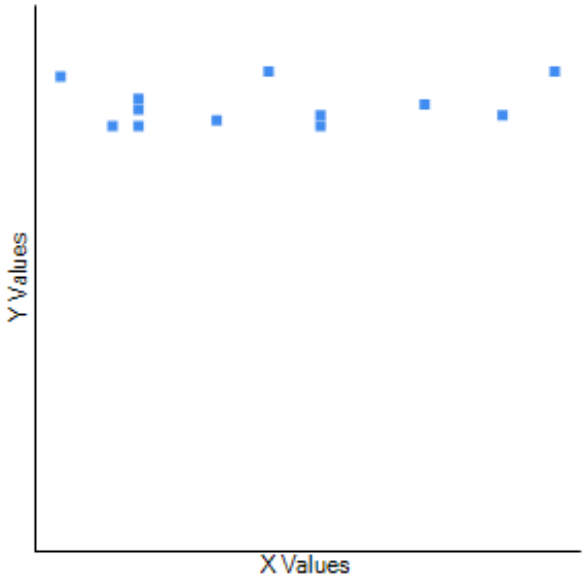


Fig. 436. Correlation between precipitation and average sun hours in Gqeberha.

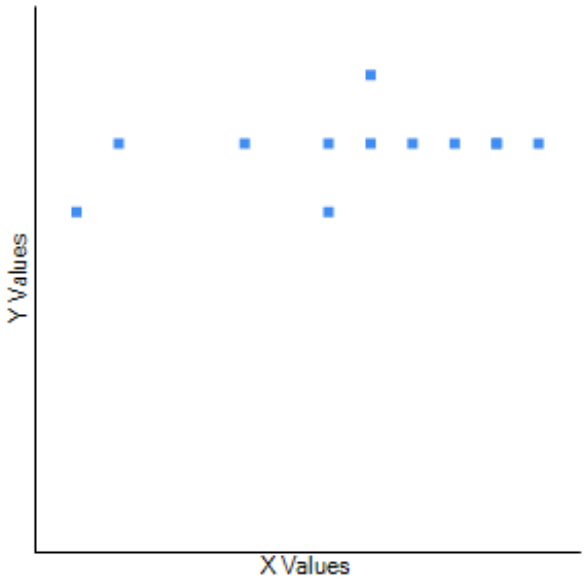


Fig. 437. Correlation between humidity and rainy days in Gqeberha.

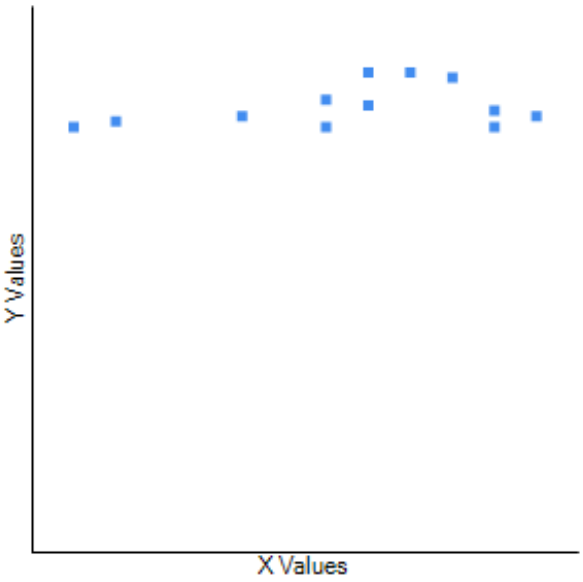


Fig. 438. Correlation between humidity and average sun hours in Gqeberha.

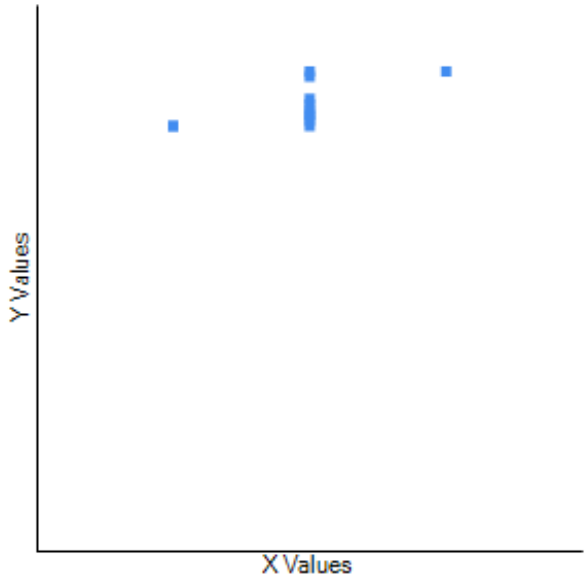


Fig. 439. Correlation between rainy days and average sun hours in Gqeberha.

Mtunzini

Average temperature was correlated with minimum temperature (Fig. 440: r=0.9994, r^2=0.9988, n=12, p<0.00001), maximum temperature (Fig. 441: r=0.9987, r^2=0.9974, n=12, p<0.00001), precipitation (Fig. 442: r=0.923, r^2=0.8519, n=12, p=0.000019), humidity (Fig. 443: r=0.9525, r^2=0.9073, n=12, p<0.00001). Minimum temperature was correlated with maximum temperature (Fig. 444: r=0.9968, r^2=0.9936, n=12, p<0.00001), precipitation (Fig. 445: r=0.9318, r^2=0.8683, n=12, p=0.00001), humidity (Fig. 446: r=0.9605, r^2=0.9226, n=12, p<0.00001), Maximum temperature was correlated with precipitation (Fig. 447: r=0.9086, r^2=0.8256, n=12, p=0.000043) and humidity (Fig. 448: =0.9403, r^2=0.8842, n=12, p<0.00001). Precipitation was correlated with humidity (Fig. 449: r=0.9358, r^2=0.8757, n=12, p<0.00001). Rainy days were correlated with average sun hours (Fig. 450: r=-0.636, r^2=0.4045, n=12, p=0.026209).

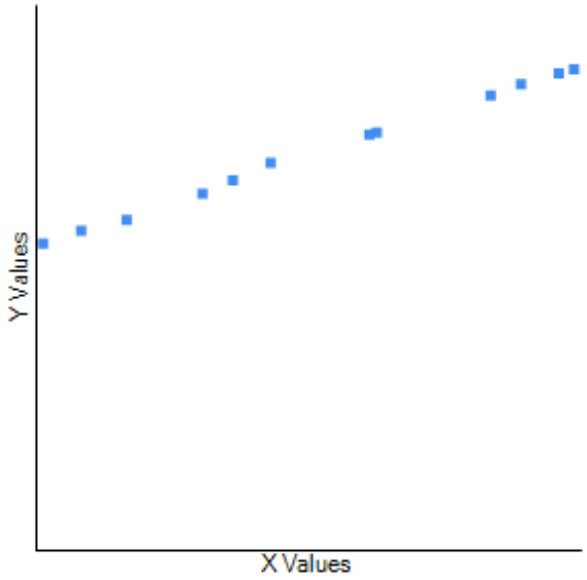


Fig. 440. Correlation between average temperature and minimum temperature in Mtunzini.

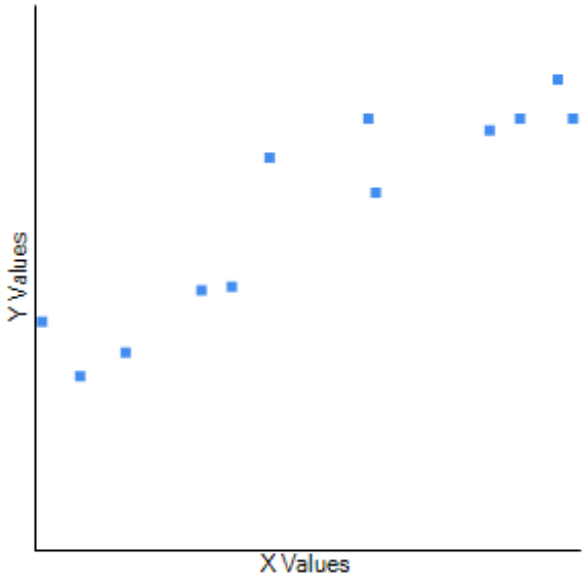


Fig. 442. Correlation between average temperature and precipitation in Mtunzini.

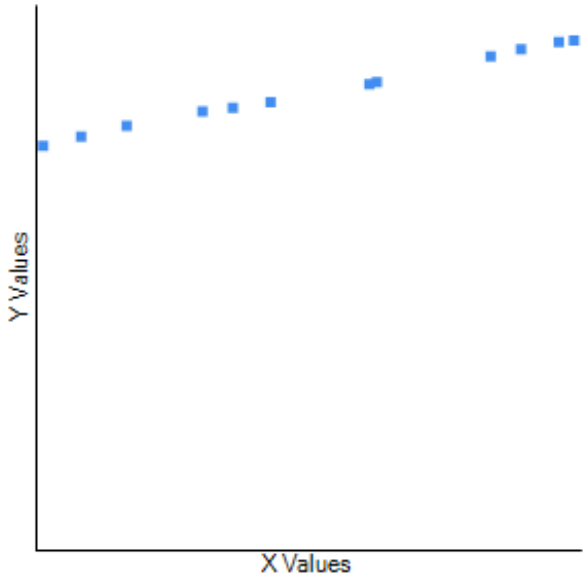


Fig. 441. Correlation between average and maximum temperature in Mtunzini.

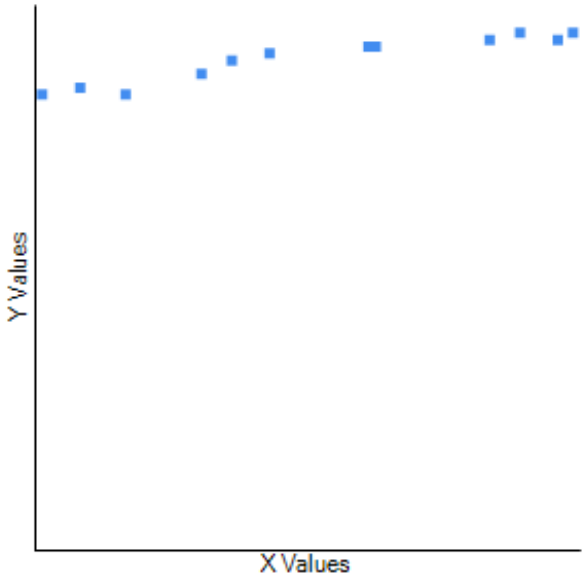


Fig. 443. Correlation between average temperature and humidity in Mtunzini.

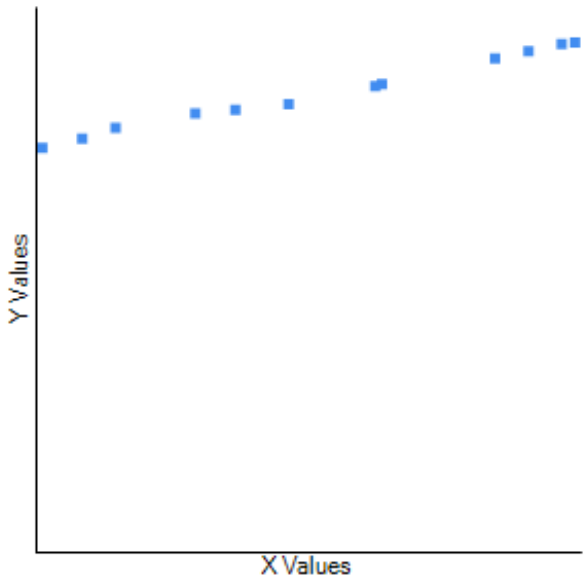


Fig. 444. Correlation between minimum and maximum temperature in Mtunzini.

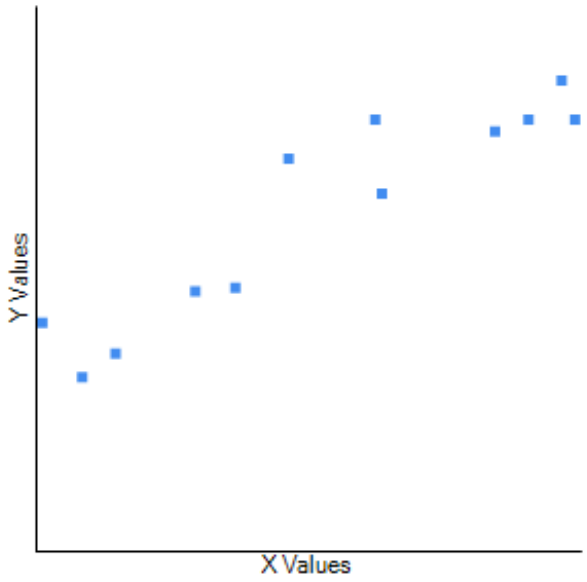


Fig. 445. Correlation between minimum temperature and precipitation in Mtunzini.

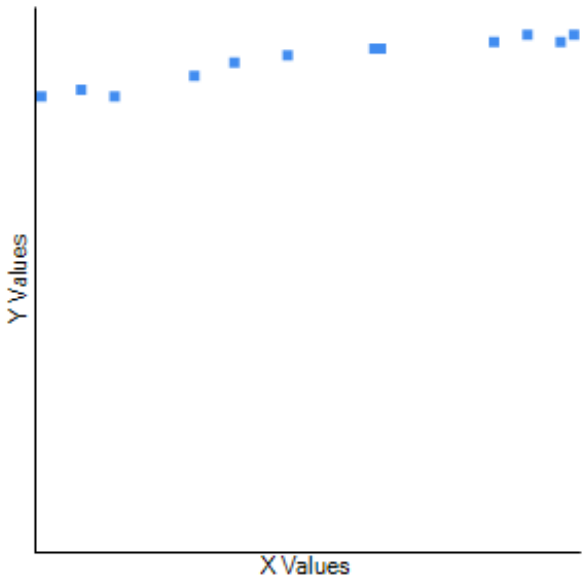


Fig. 446. Correlation between minimum temperature and humidity in Mtunzini.

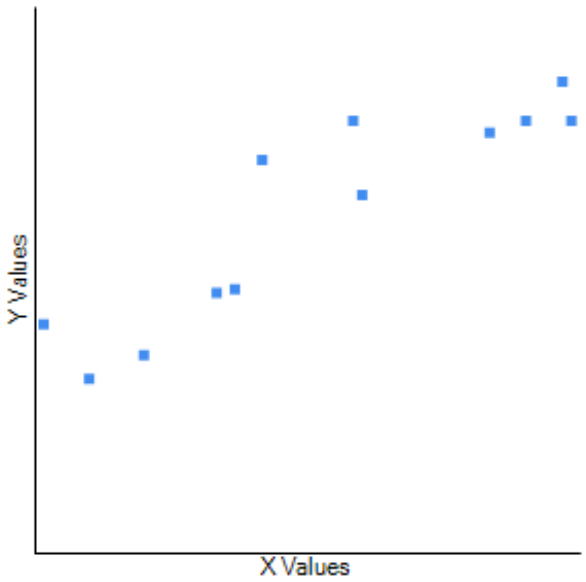


Fig. 447. Correlation between maximum temperature and precipitation in Mtunzini.

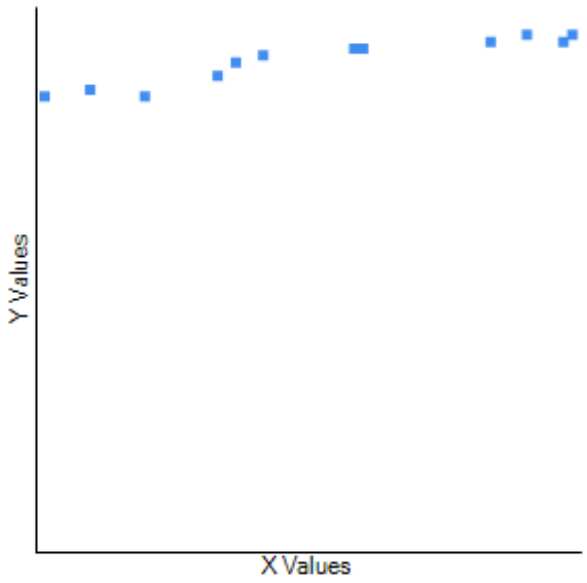


Fig. 448. Correlation between maximum temperature and humidity in Mtunzini.

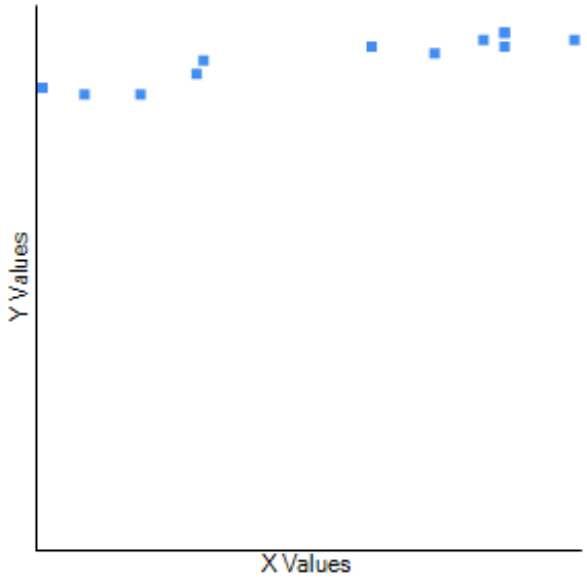


Fig. 449. Correlation between precipitation and humidity in Mtunzini.

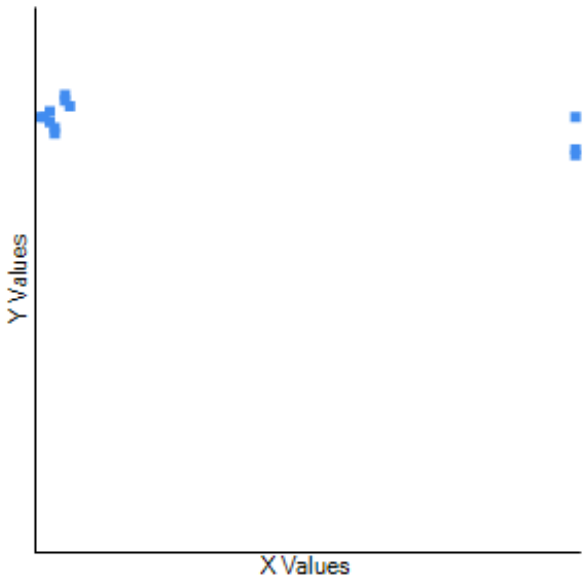


Fig. 450. Correlation between rainy days and average sun hours in Mtunzini.

DISCUSSION

In most localities there is a clear correlation between average temperature with minimum temperature, maximum temperature, precipitation, humidity, rainy days, and average sun hours. Minimum temperature was correlated with maximum temperature, precipitation, humidity, rainy days, and average sun hours. Maximum temperature was correlated with precipitation and humidity, rainy days, and average sun hours. Precipitation was correlated with humidity, rainy days, and average sun hours. Humidity was correlated with rainy days and average sun hours. Rainy days were correlated to average sun hours. However, exceptions do occur.

REFERENCES

1. O. F. Cook, "New relatives of Spirobolus giganteus," Brandtia (A series of occasional papers an Diplopoda and other Arthropoda), vol. 18, pp. 73-75, 1897.
2. M. COOPER, "Sperm competition in the millipede Chersastus ruber (Diplopoda: Pachybolidae)," The University of Cape Town, pp. 1-29, 1995.
3. M. I. Cooper, S. R. Telford, "Sperm competition in three Chersastus millipedes (Diplopoda, Trigoniulidae)," 26th

Symposium of the Zoological Society of Southern Africa (Integrating Zoology: Subdisciplines and the Subcontinent), University of Pretoria, Pretoria, 8-12 July, p. 13, 1996. ISBN: 1-86854-059-6..
4. M. I. Cooper, "Ectoparasite-mediated sexual selection in spirobolid millipedes," In: Robertson, Hamish (ed.) Proceedings of the joint congress of the Entomological Society of Southern Africa (11th congress) and the African Association of Insect Scientists (12th congress), Stellenbosch, 30 June-4 July, pp. 223-224, 1997. ISBN : WISC:89058769605. (poster).
5. M. I. Cooper, "Indiscriminate male mating behaviour in spirobolid millipedes," 27th Symposium of the Zoological Society of Southern Africa, University of Cape Town, Cape Town, 7-11 July, p. 105, 1997.
6. M. Cooper, "MILLIPEDES AND THE "MINIATURE FIVE MILLION"," African Wildlife, vol. 52, no. 5, pp. 30-31, 1998..
7. M. I. COOPER, "MATING DYNAMICS OF SOUTH AFRICAN FOREST MILLIPEDES CENTROBOLUS (DIPLOPODA: PACHYBOLIDAE)," THE UNIVERSITY OF CAPE TOWN, pp. 1-141, 1998. https://hdl.handle.net/11427/17555.
8. M. Cooper, "Sexual selection in sympatric spirobolid millipedes," 28th Symposium of the Zoological Society of Southern Africa, University of Cape Town, 1998. (poster).
9. M. I. Cooper, M. A. du Plessis, "Biodiversity hotspots in the developing world," Trends in Ecology & Evolution, vol. 13, no. 10, pp. 409, 1998. ISSN 0169-5347, https://doi.org/10.1016/S0169-5347(98)01469-4.
10. M. Cooper, "P2 or not P2?" 29th Symposium of the Zoological Society of Southern Africa, University of the North, Limpopo Province, July, 1999. (poster).
11. M. I. Cooper, S. R. Telford, "Copulatory Sequences and Sexual Struggles in Millipedes," Journal of Insect Behavior vol. 13, pp. 217–230, 2000. https://doi.org/10.1023/A:1007736214299.
12. M. I. Cooper, "Sex ratios, mating frequencies and relative abundance of sympatric millipedes in the genus Chersastus (Diplopoda: Pachybolidae)," Arthropods, vol. 3, no. 4, pp. 174-176, 2014.
13. M. I. Cooper, "Sexual size dimorphism and corroboration of Rensch's rule in Chersastus millipedes (Diplopoda: Pachybolidae)," J. Entomol. Zool. Stud. vol. 2, no. 6, pp. 264-266, 2014. DOI: 10.22271/j.ento.2014.v2.i6e.452 http://www.entomoljournal.com/archives/2014/vol2issue6/PartE/47.pdf.
14. M. I. Cooper, "Competition affected by re-mating interval in a myriapod," J. Entomol. Zool. Stud. vol. 3, no. 4, pp. 77-78, 2015. DOI: 10.22271/j.ento.2015.v3.i4b.550 http://www.entomoljournal.com/archives/2015/vol3issue4/PartB/3-4-3.pdf.
15. M. I. Cooper, "Elaborate gonopods in the myriapod genus Chersastus (Diplopoda: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 3, no. 4, pp. 235-238, 2015. DOI: 10.22271/j.ento.2015.v3.i4d.573 http://www.entomoljournal.com/archives/2015/vol3issue4/PartD/3-3-110.pdf.
16. M. I. Cooper, "Sperm storage in Centrobolus spp. and observational evidence for egg simulation," J. Entomol. Zool. Stud. vol. 4, no. 1, pp. 127-129, 2016. DOI: 10.22271/j.ento.2016.v4.i1b.797 https://www.entomoljournal.com/archives/2016/vol4issue1/PartB/3-6-81.pdf.
17. M. I. Cooper, "Symmetry in ejaculate volumes of Centrobolus inscriptus Attems (Spiroboloidea: Trigoniulidae)," International Journal of Entomological Research, vol. 1, no. 2, pp. 14-15, 2016. http://www.entomologyjournals.com/archives/2016/vol1/issue2.
18. M. I. Cooper, "Confirmation of four species of Centrobolus Cook (Spirobolida: Trigoniulidae) based on gonopod ultrastructure," Int. J. Entomol. Res. vol. 1, no. 3, pp. 07-09, 2016. http://www.entomologyjournals.com/archives/2016/vol1/issue3.
19. M. I. Cooper, "Fire millipedes obey the female sooner norm in cross mating Centrobolus (Myriapoda)," J. Entomol. Zool. Stud. vol. 4, no. 1, pp. 173-174, 2016. DOI: 10.22271/j.ento.2016.v4.i1c.802 http://www.entomoljournal.com/archives/2016/vol4issue1/PartC/3-5-82.pdf.
20. M. I. Cooper, "Symmetry in ejaculate volumes of Centrobolus inscriptus Attems (Spiroboloidea: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 4, no. 1, pp. 386-387, 2016. DOI: 10.22271/j.ento.2016.v4.i1f.833 http://www.entomoljournal.com/archives/2016/vol4issue1/PartF/4-1-21.pdf.
21. M. I. Cooper, "Instantaneous insemination in the millipede Centrobolus inscriptus (Spirobolida: Trigoniulidae) determined by artificially-terminated mating," J. Entomol. Zool. Stud. vol. 4, no. 1, pp. 487-490, 2016. DOI: 10.22271/j.ento.2016.v4.i1g.847 http://www.entomoljournal.com/archives/2016/vol4issue1/PartG/4-1-50-695.pdf.
22. M. I. Cooper, "Gonopod mechanics in Centrobolus Cook (Spirobolida: Trigoniulidae) II. Images," J. Entomol. Zool. Stud. vol. 4, no. 2, pp. 152-154, 2016. DOI: 10.22271/j.ento.2016.v4.i2c.890 http://www.entomoljournal.com/archives/2016/vol4issue2/PartC/4-2-55.pdf.
23. M. Cooper, "Post-insemination associations between males and females in Diplopoda," J. Entomol. Zool. Stud. vol. 4, no. 2, pp. 283-285, 2016. DOI: 10.22271/j.ento.2016.v4.i2d.908 http://www.entomoljournal.com/archives/2016/vol4issue2/PartD/4-2-63.pdf.
24. M. I. Cooper, "Heavier-shorter-wider females in the millipede Centrobolus inscriptus Attems (Spirobolida: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 4, no. 2, pp. 509-510, 2016. DOI: 10.22271/j.ento.2016.v4.i2g.937 http://www.entomoljournal.com/archives/2016/vol4issue2/PartG/4-3-60.pdf.
25. M. I. Cooper, "Sexual bimaturism in the millipede Centrobolus inscriptus Attems (Spirobolida: Trigoniulidae)," J. Entomol.

Zool. Stud. vol. 4, no. 3, pp. 86-87, 2016. DOI: 10.22271/j.ento.2016.v4.i3b.961 http://www.entomoljournal.com/archives/2016/vol4issue3/PartB/4-3-44.pdf.
26. M. I. Cooper, "Tarsal pads of Centrobolus Cook (Spiroboloidea: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 4, no. 3, pp. 385-386, 2016. DOI: 10.22271/j.ento.2016.v4.i3f.1008 http://www.entomoljournal.com/archives/2016/vol4issue3/PartF/4-3-40-751.pdf.
27. M. I. Cooper, "Confirmation of four species of Centrobolus Cook (Spirobolida: Trigoniulidae) based on gonopod ultrastructure," J. Entomol. Zool. Stud. vol. 4, no. 4, pp. 389-391, 2016. DOI: 10.22271/j.ento.2016.v4.i4f.1063 http://www.entomoljournal.com/archives/2016/vol4issue4/PartF/4-3-118-307.pdf.
28. M. I. Cooper, "Sperm storage in Centrobolus inscriptus Attems (Spirobolida: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 4, no. 4, pp. 392-393, 2016. DOI: 10.22271/j.ento.2016.v4.i4f.1066 http://www.entomoljournal.com/archives/2016/vol4issue4/PartF/4-4-16-207.pdf.
29. M. I. Cooper, "Sperm dumping in Centrobolus inscriptus Attems (Spirobolida: Trigoniulidae)," J. Entomol. Zool. Stud. vol. 4, no. 4, pp. 394-395, 2016. DOI: 10.22271/j.ento.2016.v4.i4f.1067 http://www.entomoljournal.com/archives/2016/vol4issue4/PartF/4-4-17-663.pdf.
30. M. I. Cooper, "Syncopulatory mate-guarding affected by predation in the aposematic millipede Centrobolus inscriptus in a swamp forest," J. Entomol. Zool. Stud. vol. 4, no. 6, pp. 483-484, 2016. DOI: 10.22271/j.ento.2016.v4.i6g.1376 http://www.entomoljournal.com/archives/2016/vol4issue6/PartG/4-6-114-767.pdf.
31. M. I. Cooper, "The relative sexual size dimorphism of Centrobolus inscriptus compared to 18 congenerics," J. Entomol. Zool. Stud. vol. 4, no. 6, pp. 504-505, 2016. DOI: 10.22271/j.ento.2016.v4.i6g.1381 http://www.entomoljournal.com/archives/2016/vol4issue6/PartG/4-6-123-254.pdf.
32. M. I. Cooper, "Do females control the duration of copulation in the aposematic millipede Centrobolus inscriptus?" J. Entomol. Zool. Stud. vol. 4, no. 6, pp. 623-625, 2016. DOI: 10.22271/j.ento.2016.v4.i6i.1396 http://www.entomoljournal.com/archives/2016/vol4issue6/PartI/4-6-133-214.pdf.
33. M. I. Cooper, "The influence of male body mass on copulation duration in Centrobolus inscriptus (Attems)," J. Entomol. Zool. Stud. vol. 4, no. 6, pp. 804-805, 2016. DOI: 10.22271/j.ento.2016.v4.i6k.08 http://www.entomoljournal.com/archives/2016/vol4issue6/PartK/4-6-166-899.pdf.
34. M. I. Cooper, "Sexual conflict over the duration of copulation in Centrobolus inscriptus (Attems)," J. Entomol. Zool. Stud. vol. 4, no. 6, pp. 852-854, 2016. DOI: 10.22271/j.ento.2016.v4.i6l.04 http://www.entomoljournal.com/archives/2016/vol4issue6/PartL/4-6-155-599.pdf.
35. M. I. Cooper, "The affect of female body width on copulation duration in Centrobolus inscriptus (Attems)," J. Entomol. Zool. Stud. vol. 5, no. 1, pp. 732-733, 2017. DOI: 10.22271/j.ento.2017.v5.i1j.10 http://www.entomoljournal.com/archives/2017/vol5issue1/PartJ/5-1-92-221.pdf.
36. M. I. Cooper, "Size matters in myriapod copulation," J. Entomol. Zool. Stud. vol. 5, no. 2, pp. 207-208, 2017. DOI: 10.22271/j.ento.2017.v5.i2c.10 http://www.entomoljournal.com/archives/2017/vol5issue2/PartC/4-6-108-171.pdf.
37. M. I. Cooper, "Relative sexual size dimorphism in Centrobolus digrammus (Pocock) compared to 18 congenerics," J. Entomol. Zool. Stud. vol. 5, no. 2, pp. 1558-1560, 2017. DOI: 10.22271/j.ento.2017.v5.i2u.04 http://www.entomoljournal.com/archives/2017/vol5issue2/PartU/5-2-199-639.pdf.
38. M. I. Cooper, "Relative sexual size dimorphism in Centrobolus fulgidus (Lawrence) compared to 18 congenerics," J. Entomol. Zool. Stud. vol. 5, no. 3, pp. 77-79, 2017. DOI: 10.22271/j.ento.2017.v5.i3b.01 http://www.entomoljournal.com/archives/2017/vol5issue3/PartB/5-2-198-656.pdf.
39. Cooper, "Relative sexual size dimorphism Centrobolus ruber (Attems) compared to 18 congenerics," J. Entomol. Zool. Stud. vol. 5, no. 3, pp. 180-182, 2017. DOI: 10.22271/j.ento.2017.v5.i3c.07 http://www.entomoljournal.com/archives/2017/vol5issue3/PartC/5-2-187-598.pdf.
40. M. I. Cooper, "Copulation and sexual size dimorphism in worm-like millipedes," J. Entomol. Zool. Stud. vol. 5, no. 3, pp. 1264-1266, 2017. DOI: 10.22271/j.ento.2017.v5.i3r.03 available at https://www.coursehero.com/file/56889696.
41. M. I. Cooper, "Allometry of copulation in worm-like millipedes,". J. Entomol. Zool. Stud. vol. 5, no. 3, pp. 1720-1722, 2017. DOI: 10.22271/j.ento.2017.v5.i3x.03 http://www.entomoljournal.com/archives/2017/vol5issue3/PartX/5-3-233-698.pdf.
42. M. Cooper, "Re-assessment of rensch's rule in Centrobolus," J. Entomol. Zool. Stud. vol. 5, no. 6, pp. 2408-2410, 2017. DOI: 10.22271/j.ento.2017.v5.i6ag.04 http://www.entomoljournal.com/archives/2017/vol5issue6/PartAG/5-6-355-856.pdf.
43. M. I. Cooper, "Allometry for sexual dimorphism in millipedes (Diplopoda)," J. Entomol. Zool. Stud. vol. 6, no. 1, pp. 91-96, 2018. DOI: 10.22271/j.ento.2018.v6.i1b.03 http://www.entomoljournal.com/archives/2018/vol6issue1/PartB/5-6-327-547.pdf.
44. M. I. Cooper, "Sexual dimorphism in pill millipedes (Diplopoda)," J. Entomol. Zool. Stud. vol. 6, no. 1, pp. 613-616, 2018. DOI: 10.22271/j.ento.2018.v6.i1i.03 http://www.entomoljournal.com/archives/2018/vol6issue1/PartI/5-6-352-508.pdf.

45. M. I. Cooper, "Sexual size dimorphism and the rejection of Rensch's rule in Diplopoda (Arthropoda)," J. Entomol. Zool. Stud. vol. 6, no. 1, pp. 1582-1587, 2018. DOI: 10.22271/j.ento.2018.v6.i1v.07 http://www.entomoljournal.com/archives/2018/vol6issue1/PartV/5-6-290-837.pdf.
46. M. I. Cooper, "Trigoniulid size dimorphism breaks Rensch," J. Entomol. Zool. Stud. vol. 6, no. 3, pp. 1232-1234, 2018. DOI: 10.22271/j.ento.2018.v6.i3.9.09 http://www.entomoljournal.com/archives/2018/vol6issue3/PartQ/6-3-170-722.pdf.
47. M. I. Cooper, "Volumes of Centrobolus albitarsus (Lawrence, 1967)," Int. J. Entomol. Res. vol. 3, no. 4, pp. 20-21, 2018. http://www.entomologyjournals.com/archives/2018/vol3/issue4.
48. M. Cooper, "A review of studies on the fire millipede genus centrobolus (diplopoda: trigoniulidae)," J. Entomol. Zool. Stud. vol. 6, no. 4, pp. 126-129, 2018. DOI: 10.22271/j.ento.2018.v6.i4.2.06 http://www.entomoljournal.com/archives/2018/vol6issue4/PartC/6-3-87-275.pdf.
49. M. Cooper, "Centrobolus anulatus (Attems, 1934) reversed sexual size dimorphism," J. Entomol. Zool. Stud. vol. 6, no. 4, pp. 1569-1572, 2018. DOI: 10.22271/j.ento.2018.v6.i4.13.16 http://www.entomoljournal.com/archives/2018/vol6issue4/PartZ/6-4-277-483.pdf.
50. M. Cooper, "Allometry in Centrobolus," J. Entomol. Zool. Stud. vol. 6, no. 6, pp. 284-286, 2018. DOI: 10.22271/j.ento.2018.v6.i6.3.07 http://www.entomoljournal.com/archives/2018/vol6issue6/PartE/6-5-322-417.pdf.
51. M. Cooper, "Centrobolus size dimorphism breaks Rensch's rule," Scholars' Press, Mauritius. pp. 1-48, 2018. ISBN: 978-3-659-83990-0. https://www.academia.edu/77887053.
52. M. Cooper, "Centrobolus size dimorphism breaks Rensch's rule," Arthropod., vol. 7, no. 3, pp. 48-52, 2018.
53. M. Cooper, "Centrobolus dubius (Schubart, 1966) Monomorphism," International Journal of Research Studies in Zoology, vol 4, no. 3, pp. 17-21, 2018. http://arcjournals.org/pdfs/ijrsz/v4-i3/3.pdf.
54. M. Cooper, "Centrobolus lawrencei (Schubart, 1966) monomorphism," Arthropod., vol. 7, no. 4, pp. 82-86, 2018. http://www.iaees.org/publications/journals/arthropods/articles/2018-7(4)/Centrobolus-lawrencei-monomorphism.pdf.
55. M. Cooper, "Confirmation of twenty-one species of Centrobolus Cook (Diplopoda: Pachybolidae) based on length and width data," 2018.
56. M. Cooper, "Centrobolus sagatinus sexual size dimorphism based on differences in horizontal tergite widths," J. Entomol. Zool. Stud. vol. 6, no. 6, pp. 275-277, 2018. DOI: 10.22271/j.ento.2018.v6.i6.3.05 http://www.entomoljournal.com/archives/2018/vol6issue6/PartE/6-5-323-505.pdf.
57. M. Cooper, "Centrobolus silvanus dimorphism based on tergite width,". Glob. J. Zool. vol. 3, no. 1, pp. 003-005, 2018. https://doi.org/10.17352/gjz.000010.
58. M. Cooper, "A review on studies of behavioural ecology of Centrobolus (Diplopoda, Spirobolida, Pachybolidae) in southern Africa," Arthropod., vol. 8, no. 1, pp. 38-44, 2019.
59. M. I. Cooper, "Lawrence's red millipede Centrobolus lawrencei shows length-based variability and size dimorphism," J. Entomol. Zool. Stud. vol. 7, no. 2, pp. 1037-1039, 2019. DOI: 10.22271/j.ento.2019.v7.i2.9.07 http://www.entomoljournal.com/archives/2019/vol7issue2/PartQ/7-2-114-662.pdf.
60. M. Cooper, "Centrobolus titanophilus size dimorphism shows width-based variability," Arthropod., vol. 8, no. 2, pp. 80-86, 2019.
61. M. Cooper, "Non-significant intersexual differences in millipede mass," J. Entomol. Zool. Stud. vol. 7, no. 3, pp. 763-765, 2019. DOI: 10.22271/j.ento.2019.v7.i3m.5267 http://www.entomoljournal.com/archives/2019/vol7issue3/PartM/7-3-90-458.pdf.
62. M. I Cooper, "Quasi-experimental determination of a mass standard in the forest millipede Centrobolus inscriptus," J. Entomol. Zool. Stud. vol. 7, no. 3, pp. 772-774, 2019. DOI: 10.22271/j.ento.2019.v7.i3m.5269 http://www.entomoljournal.com/archives/2019/vol7issue3/PartM/7-3-58-913.pdf.
63. M. I. Cooper, "Underlying sperm precedence pattern in the millipede Centrobolus inscriptus (Attems, 1928) (Diplopoda, Pachybolidae)," J. Entomol. Zool. Stud. vol. 7, no. 3, pp. 1066-1069, 2019. DOI: 10.22271/j.ento.2019.v7.i3r.5319 http://www.entomoljournal.com/archives/2019/vol7issue3/PartR/7-3-106-957.pdf.
64. M. Cooper, "When is the change in sperm precedence in the millipede Centrobolus inscriptus(Attems, 1928) (Diplopoda, Pachybolidae)?" J. Entomol. Zool. Stud. vol. 7, no. 4, pp. 183-186, 2019. DOI: 10.22271/j.ento.2019.v7.i4c.5439 http://www.entomoljournal.com/archives/2019/vol7issue4/PartC/7-3-311-692.pdf.
65. M. Cooper, "Julid millipede and spirobolid millipede gonopod functional equivalents," J. Entomol. Zool. Stud. vol. 7, no. 4, pp. 333-335, 2019. DOI: 10.22271/j.ento.2019.v7.i4f.5465 http://www.entomoljournal.com/archives/2019/vol7issue4/PartF/7-3-329-431.pdf.
66. M. Cooper, "Size dimorphism and directional selection in forest millipedes," Arthropod., vol. 8, no. 3, pp. 102-109, 2019. http://www.iaees.org/publications/journals/arthropods/articles/2019-8(3)/size-dimorphism-and-directional-selection-in-forest-millipedes.pdf.
67. M. Cooper, "Xylophagous millipede surface area to volume ratios are size dependent in forests," Arthropod., vol. 8, no. 4, pp. 127-136, 2019.
68. M. Cooper, "Size dimorphism in six juliform millipedes," Arthropod., vol. 8, no. 4, pp. 137-142, 2019.
69. M. Cooper, "Year-round correlation between mass and copulation duration in forest millipedes," Arthropod., vol. 9, no. 1, pp. 15-20, 2020.
70. M. Cooper, "Kurtosis and skew show longer males in Centrobolus," Arthropod., vol. 9, no. 1, pp. 21-26, 2020.

71. M. Cooper, "Studies of behavioural ecology of Centrobolus," LAP LAMBERT Academic Publishing, Mauritius. pp. 1-420, 2020. ISBN: 978-620-2-52046-1.
72. M. Cooper, "Mating dynamics of South African forest millipedes," LAP LAMBERT Academic Publishing, Mauritius. pp. 1-164, 2020. ISBN: 978-620-0-58569-1.
73. 74. M. Cooper, "Behavioural ecology of Centrobolus," LAP LAMBERT Academic Publishing, Mauritius. pp. 1-520, 2020. ISBN: 978-620-0-50406-7.
74. M. Cooper, "Zoomorphic variation with copulation duration in Centrobolus," Arthropod., vol. 9, no. 2, pp. 63-67, 2020. http://www.iaees.org/publications/journals/arthropods/articles/2020-9(2)/zoomorphic-variation-with-copulation-duration-in-Centrobolus.pdf.
75. M. Cooper, "Latitudinal-size trend in eight species of Centrobolus," J. Entomol. Zool. Stud. vol. 8, no. 2, pp. 122-127, 2020. http://www.entomoljournal.com/archives/2020/vol8issue2/PartC/8-1-381-253.pdf.
76. M. Cooper, "Longitudinal-size trend in eight species of Centrobolus," Intern. J. Zool. Invest. vol. 6, no. 1, pp. 58-64, 2020. https://doi.org/10.33745/ijzi.2020.v06i01.005.
77. M. Cooper, "Correction: Centrobolus dubius (Schubart, 1966) Monomorphism," Int. J. Res. Stud. Zool. vol. 6, no. 2, pp. 25-28, 2020. http://www.arcjournals.org/pdfs/ijrsz/v6-i2/3.pdf.
78. M. Cooper, "Latitudinal and longitudinal gradients in Old World forest millipedes," LAP LAMBERT Academic Publishing: pp. 77, 2021 ISBN: 978-620-3-02454-8.
79. M. Cooper, "Intrasexual and intersexual size variation in Centrobolus Cook, 1897," Scholars' Press, Mauritius. pp. 1-56, 2021. ISBN: 978-613-8-95101-8.
80. M. Cooper, "Size-assortment in Centrobolus Cook, 1897," Scholars' Press, Mauritius. pp. 1-52, 2021. ISBN: 978-613-8-95118-6. http://www.megabooks.sk/p/18255119.
81. M. Cooper, "Wewnątrzpłciowa i międzypłciowa zmienność wielkości u Centrobolus Cook, 1897," Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-50733-9. http://www.megabooks.cz/p/17829353.
82. M. Cooper, "Variedade de tamanhos no Centrobolus Cook, 1897," Novas Edições Acadêmicas, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-46650-8.
83. M. Cooper, "Variação de tamanho intrasexual e intersexual no Centrobolus Cook, 1897," Edições Nosso Conhecimento, Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-50735-5.
84. M. Cooper, "Variazione di taglia intrasessuale e intersessuale in Centrobolus Cook, 1897," Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-50731-7. http://www.megabooks.sk/p/18462116.
85. M. Cooper, "Variation de taille intrasexuelle et intersexuelle chez Centrobolus Cook, 1897," Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-50730-0. http://www.megabooks.sk/p/18462115.
86. M. Cooper, "Intrasexuelle und intersexuelle größenvariation bei Centrobolus Cook, 1897," Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-50729-4.http://www.megabooks.cz/p/17470313.
87. M. Cooper, "Size-assortment in Centrobolus Cook, 1897 (Diplopoda: Pachybolidae)," Scholars' Press, Mauritius. pp. 1-52, 2021. ISBN: 978-613-8-95105-6. http://www.megabooks.sk/p/18254871.
88. M. Cooper, "Variação da duração da cópula em milípedes semelhantes a vermes," Novas Edições Acadêmicas, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-46666-9.
89. M. Cooper, "Surtido de tamaño en Centrobolus Cook, 1897," Editorial Académica Española, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-03960-3.
90. M. Cooper, "Größen-Sortierung bei Centrobolus Cook, 1897 (Diplopoda: Pachybolidae)," Südwestdeutscher Verlag für Hochschulschriften, Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-54955-3. http://www.dodax.co.uk/en-gb/books-audiobooks/zoology/cooper-mark-groessensortierung-bei-centrobolus-cook-1897-diplopoda-pachybolidae-dp3Q15G7L5H49.
91. M. Cooper, "Cambio en la duración de la cópula en ciempiés gusano," Editorial Académica Española, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-03965-8.
92. M. Cooper, "Размерный ассортимент в Centrobolus Cook, 1897 г," Sciencia Scripts, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59606-9. http://my-shop.ru/shop/product/4534060.html.
93. M. Cooper, "Variation de durée de copulation dans les mille-pattes vermifuges," Presses Académiques Francophones, Mauritius. pp. 1-52, 2021. ISBN: 978-3-8416-3326-2.
94. M. Cooper, "Sortimento de tamanhos em Centrobolus Cook, 1897," Edições Nosso Conhecimento, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59608-3. http://www.megabooks.sk/p/18456483.
95. M. Cooper, "Size assortment in Centrobolus Cook, 1897," Our Knowledge Publishing, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59602-1. http://www.megabooks.sk/p/18456478.
96. M. Cooper, "Größensortierung bei Centrobolus Cook, 1897," Verlag Unser Wissen, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59601-4. http://www.megabooks.sk/p/18192206.
97. M. Cooper, "GrootteSortering bij Centrobolus Cook, 1897," Uitgeverij Onze Kennis, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59605-2.
98. M. Cooper, "Assortimento di dimensioni in Centrobolus Cook, 1897," Edizioni Sapienza, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59604-5. http://www.megabooks.sk/p/18456480.
99. M. Cooper, "Assortiment de tailles chez Centrobolus Cook, 1897," Editions Notre Savoir, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59603-8. http://www.megabooks.sk/p/18456479.
100. M. Cooper, "Asortyment wielkości u Centrobolus Cook, 1897 (Diplopoda: Pachybolidae)," Wydawnictwo Nasza Wiedza, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-59607-6.
101. M. Cooper, "Zmiana czasu trwania kopulacji w krocionogach przypominających robaki," Wydawnictwo Nasza Wiedza, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-62161-7. http://www.megabooks.sk/p/18456980.

102. M. Cooper, "Verandering in copulatieduur bij wormduizendpoten: (Juliformes)," Uitgeverij Onze Kennis. pp. 1-56, 2021. ISBN: 978-6203621600.
103. M. Cooper, "Veränderung der Kopulationsdauer bei Wurmtausendfüßern," Verlag Unser Wissen. pp. 1-52, 2021. ISBN: 978-620-3-62156-3. http://www.megabooks.sk/p/18258985.
104. M. Cooper, "Modification de la durée de la copulation chez les millipedes vermiformes," Editions Notre Savoir, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-62158-7. http://www.megabooks.sk/p/18456978.
105. M. Cooper, "Modifica della durata della copulazione nei millepiedi vermi," Edizioni Sapienza, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-62159-4. http://www.megabooks.sk/p/18456979.
106. M. Cooper, "Copulation duration variation in worm-like millipedes," Our Knowledge Publishing, Mauritius. pp. 1-52, 2021. ISBN: 978-620-3-62157-0. http://www.megabooks.sk/p/18456977.
107. M. Cooper, "Alteracao na duracao da copula nas centopeias de minhocas," Edicoes Nosso Conhecimento, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-62162-4. http://www.megabooks.sk/p/18456981.
108. M. Cooper, "Zmiana czasu trwania kopulacji w krocionogach przypominających robaki," Globe Edit, Latvia. pp. 1-56, 2021. ISBN: 978-620-0-62248-8.
109. M. Cooper, "Variasjon i kokulasjonsvariasjon i ormlignende millipeder," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62250-1.
110. M. Cooper, "Copulation duration variation in worm-like millipedes," Scholars' Press, Mauritius. pp. 1-52, 2021. ISBN: 978-3-639-66208-5.
111. M. Cooper, "Variatie in copulatieduur in wormachtige duizendpoten," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62258-7.
112. M. Cooper, "Variation i kopulationsvarighed i ormelignende tusindben," Globe Edit, Latvia. pp. 1-56, 2021. ISBN: 978-620-0-62257-0.
113. M. Cooper, "İçeriği Centrobolus Cook boyut aralığı, 1897 (Diplopoda: Pachybolidae)," LAP LAMBERT Academic Publishing, Mauritius. pp. 1-56, 2021. ISBN: 978-620-3-83963-0.
114. M. Cooper, "Kopuleringstidsvariation i maskliknande millipeder," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62277-8.
115. M. Cooper, "Variation de durée de copulation dans les mille-pattes vermifuges," Blessed Hope Publishing. pp. 1-56, 2021. ISBN: 978-3841633269. http://www.megabooks.sk/p/18361163.
116. M. Cooper, "ワーム様ミリペデスにおける交尾期間変動," Globe Edit, Latvia. pp. 1-56, 2021. ISBN: 978-620-0-62260-0.
117. M. Cooper, "Parittelun keston vaihtelu matomaisten millipedes," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62259-4.
118. M. Cooper, "Variația duratei copulării în milipedele asemănătoare viermilor," Globe Edit, Latvia. pp. 1-56, 2021. ISBN: 978-620-0-62255-6.
119. M. Cooper, "A párzás időtartama a féreg-szerű millipedek változása," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62261-7.
120. M. Cooper, "蠕蟲狀千足蟲的複製持續時間變化," pp. 1-52, 2021. Goldenlight publishing, Republic of Moldova. ISBN: 978-620-2-41290-2.
121. M. Cooper, "웜과 같은 밀리페드의 교화 지속 시간 변화 (줄리포미아)," Globe Edit, Latvia. pp. 1-52, 2021. ISBN: 978-620-0-62533-5.
122. M. Cooper, "Mass covaries with volume in forest millipedes Centrobolus Cook, 1897," J. Entomol. Zool. Stud. vol. 9, no. 6, pp. 190-192, 2021. http://www.entomoljournal.com/archives/2021/vol9issue6/PartC/9-6-36-202.pdf.
123. M. Cooper, "The inverse latitudinal gradient in species richness of forest millipedes: Pentazonia Brandt, 1833," J. Entomol. Zool. Stud. vol. 10, no. 1, pp. 01-04, 2022. http://www.entomoljournal.com/archives/2022/vol10issue1/PartA/9-6-47-884.pdf.
124. M. Cooper, "The inverse latitudinal gradient in species richness of forest millipedes: Pachybolidae Cook, 1897," J. Entomol. Zool. Stud. vol. 10, no. 1, pp. 05-08, 2022. http://www.entomoljournal.com/archives/2022/vol10issue1/PartA/9-6-49-906.pdf.
125. M. Cooper, "Longer Males Determined with Positive Skew and Kurtosis in Centrobolus (Diplopoda: Spirobolida: Pachybolidae)," New Visions in Biological Science Vol. 8, pp. 102-106, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1876A.
126. M. Cooper, "Study on Year-round Correlation between Mass and Copulation Duration in Forest Millipedes," New Visions in Biological Science Vol. 8, pp. 107-112, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1877A.
127. M. Cooper, "Study on Size Dimorphism in Six Juliform Millipedes," New Visions in Biological Science Vol. 8, pp. 113-119, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1878A.
128. M. Cooper, "Xylophagous Millipede Surface Area to Volume Ratios are Size-dependent in Forests: A Brief Study," New Visions in Biological Science Vol. 8, pp. 120-128, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1879A.
129. M. Cooper, "A Study on Centrobolus titanophilus Size Dimorphism Shows Width-Based Variability," New Visions in Biological Science Vol. 8, pp. 129-135, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1880A.
130. M. Cooper, "Study on Zoomorphic Variation with Copulation Duration in Centrobolus," New Visions in Biological Science Vol. 8, pp. 144-149, 2022. http://doi.org/10.9734/bpi/nvbs/v8/1882A.
131. M. Cooper, "The copulation duration allometry in Centrobolus (Diplopoda: Spirobolida: Pachybolidae)," J. Entomol. Zool. Stud. vol. 10, no. 1, pp. 63-68, 2022. https://doi.org/10.22271/j.ento.2022.v10.i1a.8925.

132. M. Cooper, "Behavioral ecology of Centrobolus (Diplopoda, Spirobolida, Pachybolidae) in Southern Africa," New Visions in Biological Science Vol. 9, pp. 1-6, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1883A.
133. M. Cooper, "Study About Size Dimorphism and Directional Selection in Forest Millipedes," New Visions in Biological Science Vol. 9, pp. 7-13, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1884A.
134. M. Cooper, "The Copulation duration Allometry in Centrobolus (Diplopoda: Spirobolida: Pachybolidae)," New Visions in Biological Science Vol. 9, pp. 21-28, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1891A.
135. M. Cooper, "The Copulation duration Allometry in Worm-like Millipedes (Diplopoda: Chilognatha: Helminthomorpha)," New Visions in Biological Science Vol. 9, pp. 29-38, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1892A.
136. M. Cooper, "Length and Width Correlations in Centrobolus Cook, 1897," New Visions in Biological Science Vol. 9, pp. 39-45, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1893A.
137. M. Cooper, "Mating Order Establishes Male Size Advantage in the Polygynandrous Millipede Centrobolus inscriptus Attems, 1928," New Visions in Biological Science Vol. 9, pp. 46-51, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1894A.
138. M. Cooper, "Why Sexual Size Dimorphism Increases with Longitude, Precipitation and Temperature and Decreases with Latitude in Forest Millipedes Centrobolus Cook, 1897," New Visions in Biological Science Vol. 9, pp. 58-67, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1896A.
139. M. Cooper, "Bergmann's Rule: Size Correlates with Longitude and Temperature in Forest Millipedes Centrobolus Cook, 1897," New Visions in Biological Science Vol. 9, pp. 68-81, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1897A.
140. M. Cooper, "The Inverse Latitudinal Gradient in Species Richness of Forest Millipedes: Centrobolus Cook, 1897," New Visions in Biological Science Vol. 9, pp. 82-88, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1898A.
141. M. Cooper, "Total Body Rings Increase with Latitude and Decrease with Precipitation in Forest Millipedes Centrobolus Cook, 1897," New Visions in Biological Science Vol. 9, pp. 96-101, 2022. http://doi.org/10.9734/bpi/nvbs/v9/1900A.
142. M. Cooper, "Does sexual size dimorphism vary with longitude in forest millipedes Centrobolus Cook, 1897?" International Journal of Recent Research in Thesis and Dissertation, vol. 3, no. 1, pp. 1-5, 2022. https://www.paperpublications.org/issue/IJRRTD/Issue-1-January-2022-June-2022.
143. M. Cooper, "Does sexual size dimorphism vary with latitude in forest millipedes Centrobolus Cook,1897?" Int. J. Re. Res. Thesis Diss., vol. 3, no. 1, pp. 6-11, 2022. https://www.paperpublications.org/issue/IJRRTD/Issue-1-January-2022-June-2022..
144. M. Cooper, "Does sexual size dimorphism vary with temperature in forest millipedes Centrobolus Cook, 1897?" Acta Entomol. Zool., vol 3, no. 1, pp. 08-11, 2022. https://doi.org/10.33545/27080013.2022.v3.i1a.51.
145. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 2, no. 9, pp. 9-14, 2022. https://www.doi-ds.org/doilink/03.2022-63261534/UIJIR.
146. M. Cooper, "PAIR-WISE COMPARISON OF SEXUAL SIZE DIMORPHISM AMONG NINE FACTORS IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 2, no. 9, pp. 31-33, 2022. https://www.doi-ds.org/doilink/03.2022-75935617/UIJIR.
147. M. Cooper, "Does sexual size dimorphism vary with female size in forest millipedes CentrobolusCook, 1897?" Acta Entomol. Zool., vol. 3, no. 1, pp. 15-18, 2022. https://doi.org/10.33545/27080013.2022.v3.i1a.57.
148. M. Cooper, "Does sexual size dimorphism vary with hours of sunshine throughout the year in forest millipedes Centrobolus Cook, 1897?" Acta Entomol. Zool., vol. 3, no. 1, pp. 19-25, 2022. DOI: https://doi.org/10.33545/27080013.2022.v3.i1a.58.
149. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH SPECIES RICHNESS IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 2, no. 10, pp. 25-29, 2022. https://www.doi-ds.org/doilink/04.2022-91496952/UIJIR.
150. M. Cooper, "PAIR-WISE COMPARISON OF SEXUAL SHAPE DIMORPHISM AMONG FIFTEEN FACTORS IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897," Universe Int. J.Interdiscip. Res., vol. 2, no. 10, pp. 9-14, 2022. https://www.doi-ds.org/doilink/04.2022-18727172/UIJIR.
151. M. I. Cooper, "Five factors effecting copulation duration in the breeding season in forest millipedes Centrobolus Cook, 1897," Zoological and Entomological Letters, vol. 2, no. 1, pp. 17-22, 2022. https://www.zoologicaljournal.com/archives/2022.v2.i1.A.26.
152. M. Cooper, "Does sexual size dimorphism vary with time in red millipedes Centrobolus Cook, 1897?" Zool. Entomol. Lett., vol 2, no. 1, pp. 30-35, 2022. https://www.zoologicaljournal.com/archives/2022.v2.i1.A.29.
153. M. Cooper, "Mating frequencies of sympatric red millipedes differ across substrate due to absolute abundances," Acta Entomol. Zool., vol. 3, no. 1, pp. 34-39, 2022. https://doi.org/10.33545/27080013.2022.v3.i1a.62.
154. M. Cooper, "Does sexual size dimorphism vary with maximum and minimum temperatures in red millipedes Centrobolus Cook, 1897?" Zool. Entomol. Lett., vol. 2, no. 1, pp. 60-65, 2022. https://www.zoologicaljournal.com/archives/2022.v2.i1.B.34.
155. M. Cooper, "Does sexual size dimorphism vary with sex ratio in red millipedes Centrobolus Cook, 1897?" Zool. Entomol. Lett., vol. 2, no. 1, pp. 66-68, 2022. https://www.zoologicaljournal.com/archives/2022.v2.i1.B.35.
156. M. Cooper, "Millipede mass: Intersexual differences," Zool. Entomol. Lett., vol. 2, no. 1, pp. 69-70, 2022. https://www.zoologicaljournal.com/archives/2022.v2.i1.B.36.
157. M. I. Cooper, "Do copulation duration and sexual size dimorphism vary with absolute abundance in red millipedes

Centrobolus Cook, 1897?" Acta Entomol. Zool., vol. 3, no. 1, pp. 51-54, 2022. https://www.actajournal.com/archives/2022.v3.i1.A.64.https://doi.org/10.33545/27080013.2022.v3.i1a.64.

158. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH FEMALE LENGTH INFOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 2, no. 12, pp. 1-7, 2022. https://www.doi-ds.org/doilink/05.2022-69939779/UIJIR.
159. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH PRECIPITATION IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Munis Entomology and Zoology, vol 17, no. 2, pp. 1185-1189, 2022.
160. M. I. Cooper, "Do copulation durations of sympatric red millipedes vary seasonally with mating frequencies?" Int. J. Re. Res. Thesis Diss., vol. 3, no. 1, pp. 85-90, 2022. https://doi.org/10.5281/zenodo.6613001.
161. M. I. Cooper, "The inverse latitudinal gradients in species richness of Southern African millipedes," Int. J. Re. Res. Thesis Diss., vol. 3, no. 1, pp. 91-112, 2022. https://doi.org/10.5281/zenodo.6613064.
162. M. I. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH LOG SEXUAL SIZE DIMORPHISM IN RED MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 2, no. 12, pp. 52-54, 2022. https://www.doi-ds.org/doilink/06.2022-83544225/UIJIR.
163. M. I. Cooper, "Do copulation duration and sexual size dimorphism vary with absolute abundance in red millipedes Centrobolus Cook, 1897?" Acta Entomol. Zool., vol. 3, no. 1, pp. 51-54, 2022. https://www.actajournal.com/archives/2022.v3.i1.A.64.https://doi.org/10.33545/27080013.2022.v3.i1a.64.
164. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH FEMALE LENGTH INFOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 2, no. 12, pp. 1-7, 2022. https://www.doi-ds.org/doilink/05.2022-69939779/UIJIR.
165. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH PRECIPITATION INFOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Munis Entomology and Zoology, vol. 17, no. 2, pp. 1185-1189, 2022.
166. M. I. Cooper, "Do copulation durations of sympatric red millipedes vary seasonally with mating frequencies?" Int. J. Re. Res. Thesis Diss., vol. 3, no. 1, pp. 85-90, 2022. https://doi.org/10.5281/zenodo.6613001.
167. M. I. Cooper, "The inverse latitudinal gradients in species richness of Southern African millipedes," Int. J. Re. Res. Thesis Diss., vol. 3, no. 1, pp. 91-112, 2022. https://doi.org/10.5281/zenodo.6613064.
168. M. I. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH LOG SEXUAL SIZE DIMORPHISM IN RED MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 2, no. 12, pp. 52-54, 2022. https://www.doi-ds.org/doilink/06.2022-83544225/UIJIR.
169. M. Cooper, "THE TIE-IN OF MALE BODY WIDTH ON COPULATION DURATION IN CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 1, pp. 45-47, 2022. https://www.doi ds.org/doilink/06.2022-88932399/UIJIR.
170. M. I. Cooper, "IS A PROMINENT STERNITE RELATED TO MOMENTS OF INERTIA IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 8, no. 12, pp. 26-28, 2022. http://www.ijesird.com/1_june_22.PDF.
171. M. I. Cooper, "IS COPULATION DURATION RELATED TO MOMENTS OF INERTIA IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 8, no. 12, pp. 29-31, 2022. http://www.ijesird.com/2_june_22.PDF.
172. M. I. Cooper, "COPULATION DURATION IS RELATED TO EJACULATING VOLUMEIN CENTROBOLUS INSCRIPTUS (ATTEMS, 1928)," International Journal of Engineering ScienceInvention Research & Development, vol. 8, no. 12, pp. 32-40, 2022. http://www.ijesird.com/3_june_22.PDF.
173. M. I. Cooper, "Is a prominent sternite related to mass in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 1-4, 2022. http://www.ijesird.com/1_jul_22.PDF.
174. M. I. Cooper, "Does sex ratio vary with absolute abundance in red millipedes Centrobolus Cook,1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 5-8, 2022. http://www.ijesird.com/2_jul_22.PDF.
175. M. I. Cooper, "Does copulation duration vary with absolute abundance in red millipedes Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 9-11, 2022. http://www.ijesird.com/3_jul 22.PDF.
176. M. I. Cooper, "Are a prominent sternite, coleopod spine length, and spine number related to mating frequencies in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research& Development, vol. 9, no. 1, pp. 12-15, 2022. http://www.ijesird.com/4_jul_22.PDF.
177. M. I. Cooper, "Are coleopod spine length and number related to weather in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 16-23, 2022. http://www.ijesird.com/5_jul_22.PDF.
178. M. I. Cooper, "Are coleopod spine length and number related to mass in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 24-26, 2022. http://www.ijesird.com/6_jul_22.PDF.
179. M. I. Cooper, "Is mass related to latitude, longitude, and weather in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 27-32, 2022. https://www.ijesird.com/7_jul_22.PDF.
180. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO ABSOLUTE ABUNDANCE IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention

Research & Development, vol. 9, no. 1, pp. 33-37, 2022. https://www.ijesird.com/8_jul-22.PDF.
181. M. I. Cooper, "Does sex ratio vary with absolute abundance in red millipedes Centrobolus Cook,1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 5-8, 2022. http://www.ijesird.com/2_jul_22.PDF.
182. M. I. Cooper, "Does copulation duration vary with absolute abundance in red millipedes Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 9-11, 2022. http://www.ijesird.com/3_jul_22.PDF.
183. M. I. Cooper, "Are a prominent sternite, coleopod spine length, and spine number related to matingfrequencies in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research& Development, vol. 9, no. 1, pp. 12-15, 2022. http://www.ijesird.com/4_jul_22.PDF.
184. M. I. Cooper, "Are coleopod spine length and number related to weather in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 16-23, 2022. http://www.ijesird.com/5_jul_22.PDF.
185. M. I. Cooper, "Are coleopod spine length and number related to mass in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 24-26, 2022. http://www.ijesird.com/6_jul_22.PDF.
186. M. I. Cooper, "Is mass related to latitude, longitude, and weather in Centrobolus Cook, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 27-32, 2022. https://www.ijesird.com/7_jul_22.PDF.
187. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO ABSOLUTE ABUNDANCE IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 33-37, 2022. https://www.ijesird.com/8_jul-22.PDF.
188. M. I. Cooper, "DOES COPULATION DURATION VARY WITH SEX RATIO IN THE RED MILLIPEDE CENTROBOLUS INSCRIPTUS (ATTEMS, 1928)?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 38-40, 2022. https://www.ijesird.com/9_jul_22.PDF.
189. M. I. Cooper, "IS A PROMINENT STERNITE RELATED TO WEATHER IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 41-44, 2022. https://www.ijesird.com/10_jul_22.PDF.
190. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO SEX RATIO IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 45-48, 2022. https://www.ijesird.com/11_jul_22.PDF.
191. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO SEXUAL SIZE DIMOROPHISM IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 49-51, 2022. https://www.ijesird.com/12_jul_22.PDF.
192. M. Cooper, "ARE MATING FREQUENCIES RELATED TO MOMENTS OF INERTIA ACROSS THE SEXES IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 1, pp. 52-55, 2022. https://www.ijesird.com/13_jul_22.PDF.
193. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO TARSAL PAD LENGTH IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 2, pp. 1-4, 2022. https://www.ijesird.com/1_aug_22.PDF.
194. M. Cooper, "IS COPULATION DURATION RELATED TO TARSAL PAD LENGTH IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research &Development, vol. 9, no. 2, pp. 65-67, 2022. https://www.ijesird.com/3_aug_22.PDF.
195. M. Cooper, "ARE ABSOLUTE ABUNDANCES RELATED TO TARSAL PAD LENGTH IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research &Development, vol. 9, no. 2, pp. 68-70, 2022. https://www.ijesird.com/4_aug_22.PDF.
196. M. I. Cooper, "ARE MATING FREQUENCIES RELATED TO MALE AND FEMALE SIZE IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 2, pp. 71-76, 2022. https://www.ijesird.com/5_aug_22.PDF.
197. M. Cooper, "DOES EJACULATE VOLUME VARY WITH ABSOLUTE ABUNDANCE IN RED MILLIPEDES CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 2, pp. 77-79, 2022. https://www.ijesird.com/6_aug_22.PDF.
198. M. I. Cooper, "THE MOMENTS OF INERTIA TIE-UP WITH FEMALE SIZE, HOURS OF SUNSHINE THROUGHOUT THE YEAR, LATITUDE, LONGITUDE, AND MINIMUM TEMPERATURE IN RED MILLIPEDES CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 2, pp. 6-12, 2022. https://www.doi-ds.org/doilink/08.2022-76913842/UIJIR.
199. M. I. COOPER, "ARE MATING FREQUENCIES RELATED TO EJACULATE VOLUMES IN CENTROBOLUS COOK, 1897?" International Journal of Engineering ScienceInvention Research & Development, vol. 9, no. 3, pp. 93-95, 2022. https://www.ijesird.com/aug_ten.PDF.
200. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH FEMALE WIDTH IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Munis Entomol. Zool., vol. 17(supplement), pp. 1562-1565, 2022.
201. M. Cooper, "DOES SEXUAL SIZE DIMORPHISM VARY WITH THE HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897?" Munis Entomol. Zool., vol. 17(supplement), pp. 1596-1602, 2022.

202. M. Cooper, “DOES SEXUAL SIZE DIMORPHISM VARY WITH BODY MASS IN FOREST MILLIPEDES CENTROBOLUS COOK, 1897?” Munis Entomol. Zool. Suppl., vol. 17(supplement), pp. 1621-1624, 2022.
203. M. COOPER, “IS SIZE OR SSD RELATED TO ABUNDANCE IN CENTROBOLUS COOK,1897?” International Journal of Engineering Science Invention Research & Development., vol. 9, no. 3, pp. 96-102, 2022. https://www.ijesird.com/sep_one.PDF.
204. M. I. COOPER, “IS A PROMINENT STERNITE RELATED TO SEX RATIOS ANDABUNDANCE IN CENTROBOLUS COOK, 1897?” International Journal of Engineering Science Invention Research & Development, vol. 9, no. 3, pp. 103-106, 2022. https://www.ijesird.com/sep_two_6.PDF.
205. M. I. Cooper, “DOES SEXUAL SIZE DIMORPHISM VARY WITH FEWEST DAILY HOURSOF SUNSHINE IN RED MILLIPEDES CENTROBOLUS COOK, 1897?” Universe Int. J. Interdiscip. Res., vol. 3, no. 3, pp. 89-92, 2022. https://www.doi-ds.org/doilink/09.2022-94655978/UIJIR.
206. M. COOPER, “DOES (PREDICTED) MASS CORRELATE WITH MATING FREQUENCIES IN CENTROBOLUS COOK, 1897?” Universe Int. J. Interdiscip. Res., vol. 3, no. 4, 141-19.
207. M. I. COOPER, “IS MASS CORRELATED WITH LENGTH AMONG RED MILLIPEDES CENTROBOLUS COOK, 1897?" Universe Int. J. Interdiscip. Res., vol. 3, no. 5, pp. 190-196, 2022. https://www.doids.org/doilink/11.2022-82684698/UIJIR. https://uijir.com/wp-content/uploads/2022/11/20-221012-UIJIR.pdf.
208. M. I. Cooper, "ABUNDANCE IS RELATED TO SURFACE AREA AND SURFACE-AREA-TO-VOLUME RATIOS IN CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 5, pp. 231-240, 2022. https://www.doi-ds.org/doilink/11.2022-99614928/UIJIR. http://hdl.handle.net/10019.1/125794.
209. M. I. COOPER, "ARE SURFACE AREA AND SURFACE-AREA-TO-VOLUME RATIO RELATED TO SEX RATIOS IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 5, pp. 140-145, 2022. http://ijesird.com/nov_1.PDF.
210. M. I. COOPER, "ARE SURFACE AREA AND SURFACE-AREA-TO-VOLUME RATIO RELATED TO COPULATION DURATION IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 4, pp. 146-151, 2022. http://ijesird.com/nov_2.PDF.
211. M. I. Cooper, "DOES EJACULATE VOLUME VARY WITH SURFACE AREA AND SURFACE AREA TO VOLUME RATIO IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 5, pp. 152-154, 2022. http://ijesird.com/nov_3.PDF. http://hdl.handle.net/10019.1/125795.
212. M. I. COOPER, "MATING FREQUENCY IS RELATED TO SURFACE AREA AND SURFACE-AREA-TO VOLUME RATIOS IN CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 5, pp. 155-161, 2022. http://ijesird.com/nov_4.PDF. http://hdl.handle.net/10019.1/125795.
213. M. I. COOPER, "ARE SURFACE AREA AND SURFACE-AREA-TO-VOLUME RATIO RELATED TO LATITUDE AND LONGITUDE IN CENTROBOLUS COOK, 1897?" International Journal of Engineering Science Invention Research & Development, vol. 9, no. 5, pp. 162-167, 2022. http://ijesird.com/nov_5.PDF.
214. M. I. COOPER, "MOMENTS OF INERTIA COVARY WITH SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 5, pp. 168-173, 2022. http://ijesird.com/nov_6.PDF.
215. M. Cooper, "TARSAL PAD LENGTHS ARE RELATED TO SURFACE-AREA-TO-VOLUME RATIOS IN CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 6, pp. 27-33, 2022.
216. M. I. Cooper, "SURFACE-AREA-TO-VOLUME IS RELATED TO SEXUAL SIZE DIMORPHISM ACROSS CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 6, pp. 34-42, 2022.
217. M. Cooper, "SEX RATIO VARIES WITH AVERAGE TEMPERATURE IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 174-178, 2022. http://ijesird.com/DEC1.PDF.
218. M. Cooper, "SEX RATIO VARIES WITH MINIMUM TEMPERATURE IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 179-183, 2022. http://ijesird.com/DEC2.PDF.
219. M. Cooper, "SEX RATIO VARIES WITH MAXIMUM TEMPERATURE IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 184-188, 2022. http://ijesird.com/DEC3.PDF.
220. M. Cooper, "SEX RATIO VARIES WITH PRECIPITATION IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 189-193, 2022. http://ijesird.com/DEC4.PDF.
221. M. Cooper, "SEX RATIO VARIES WITH HUMIDITY IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 194-198, 2022. http://ijesird.com/DEC5.PDF.
222. M. Cooper, "SEX RATIO VARIES WITH RAINY DAYS IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention Research & Development, vol. 9, no. 6, pp. 199-203, 2022. http://ijesird.com/DEC6.PDF.
223. M. Cooper, "SEX RATIO VARIES WITH AVERAGE SUN HOURS IN RED MILLIPEDES CENTROBOLUS COOK, 1897," International Journal of Engineering Science Invention

Research & Development, vol. 9, no. 6, pp. 204-207, 2022. http://ijesird.com/DEC7.PDF.
224. M. I. Cooper, "VOLUME IS RELATED TO SURFACE-AREA-TO-VOLUME ACROSS CENTROBOLUS COOK, 1897," Universe Int. J. Interdiscip. Res., vol. 3, no. 6, pp. 83-91, 2022.
225. M. L. Hamer, "Checklist of Southern African millipedes(Myriapoda: Diplopoda)," Annals of the Natal Museum, vol. 39, no. 1, pp. 11-82, 1998.
226. R. F. Lawrence, "The Spiroboloidea (Diplopoda) of the eastern half of Southern Africa*," Annals of the Natal Museum, vol. 18, no. 3, pp. 607-646, 1967.
227. R. P. Mailula, "Taxonomic revision and Red List assessment of the red millipede genus Centrobolus (Spirobolida: Pachybolidae) of South Africa," The University of Kwazulu-Natal, pp. 289, 2021.
228. Cooper Mark. PROBABLE SOLUTION OF RAINY DAY VARIATIONS FOR SET MATING FREQUENCIES AND MALE AND FEMALE WIDTHS IN CENTROBOLUS COOK, 1897. (In Prep.).
229. Cooper Mark. VOLUMES ARE DIFFERENT BETWEEN THE SEXES OF A PAIR OF SYMPATRIC FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
230. Cooper Mark. CURVED SURFACE AREAS ARE DIFFERENT BETWEEN THE SEXES OF A PAIR OF SYMPATRIC FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
231. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO IS RELATED TO SPECIES RICHNESS IN CENTROBOLUS COOK, 1897. (In Prep.).
232. Cooper Mark. SURFACE AREA IS RELATED TO AT LEAST TEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
233. Cooper Mark. ABUNDANCE IS RELATED TO AT LEAST SEVEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
234. Cooper Mark. MATING FREQUENCY IS RELATED TO AT LEAST FIFTEEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
235. Cooper Mark. WIDTH IS RELATED TO AT LEAST NINE FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
236. Cooper Mark. LENGTH IS RELATED TO AT LEAST TEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
237. Cooper Mark. COPULATION DURATION IS RELATED TO AT LEAST EIGHT FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
238. Cooper Mark. CURVED SURFACE AREA IS RELATED TO AT LEAST EIGHTEEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
239. Cooper Mark. SPECIES RICHNESS IS RELATED TO AT LEAST EIGHT FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
240. Cooper Mark. MASS IS RELATED TO NINE FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
241. Cooper Mark. SPECIES RICHNESS IS RELATED TO MEAN OCEAN WATER TEMPERATURE NEAR FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
242. Cooper Mark. SPECIES RICHNESS IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
243. Cooper Mark. MINIMUM OCEAN WATER TEMPERATURE IS RELATED TO SPECIES RICHNESS IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
244. Cooper Mark. COPULATION DURATION IS MODELLED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
245. Cooper Mark. LENGTH IS MARGINALLY RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
246. Cooper Mark. ALTITUDE IS TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
247. Cooper Mark. ALTITUDE IS RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
248. Cooper Mark. AVERAGE TEMPERATURE VARIATION IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
249. Cooper Mark. SPECIES RICHNESS IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
250. Cooper Mark. MASS IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
251. Cooper Mark. ALTITUDE IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
252. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
253. Cooper Mark. Minimum precipitation correlates with maximum precipitation in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
254. Cooper Mark. Minimum precipitation correlates with the month with the most daily hours of sunshine in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
255. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
256. Cooper Mark. MINIMUM PRECIPITATION IS RELATED MEAN OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

257. Cooper Mark. MAXIMUM PRECIPTATION IS MARGINALLY RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
258. Cooper Mark. MINIMUM PRECIPTATION IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
259. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS MARGINALLY RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
260. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
261. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MINIMUM PRECIPITAITON IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
262. Cooper Mark. SEXUAL SIZE DIMORPHISM IS MARGINALLY CORRELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
263. Cooper Mark. HIGHEST RELATIVE HUMIDITY IS RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
264. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
265. Cooper Mark. ABUNDANCE IS RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
266. Cooper Mark. ABUNDANCE IS RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
267. Cooper Mark. MATING FREQUENCIES ARE RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
268. Cooper Mark. MATING FREQUENCIES ARE RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
269. Cooper Mark. COPULATION DURATION IS RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
270. Cooper Mark. MAXIMUM PRECIPITATION IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
271. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
272. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
273. Cooper Mark. MAXIMUM PRECIPITATION IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
274. Cooper Mark. MAXIMUM PRECIPITATION IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
275. Cooper Mark. MAXIMUM PRECIPITATION IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
276. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
277. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
278. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
279. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
280. Cooper Mark. MINIMUM PRECIPITATION IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
281. Cooper Mark. Hours of sunshine each month correlates with the month with the lowest daily hours of sunshine in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
282. Cooper Mark. Hours of sunshine each month correlates with the month with the most daily hours of sunshine in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
283. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNILGHT IS RELATED TO MATING FREQUENCY IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
284. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNILGHT IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
285. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNILGHT IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
286. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
287. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
288. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

289. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
290. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
291. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO CURVED SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
292. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
293. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
294. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
295. Cooper Mark. AVERAGE MONTHLY DURATION OF SUNLIGHT IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
296. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO THE AVERAGE MONTHLY DURATION OF SUNLIGHT IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
297. Cooper Mark. ABUNDANCE IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
298. Cooper Mark. ABUNDANCE IS RELATED TO MAXIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
299. Cooper Mark. ABUNDANCE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
300. Cooper Mark. MATING FREQUENCIES ARE RELATED TO MAXIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
301. Cooper Mark. MATING FREQUENCIES ARE RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
302. Cooper Mark. MATING FREQUENCIES ARE RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
303. Cooper Mark. LENGTH IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
304. Cooper Mark. WIDTH IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
305. Cooper Mark. VOLUME IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
306. Cooper Mark. PRECIPITATION IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
307. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
308. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO MEAN OCEAN WATER TEMPERATURE NEAR FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
309. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO MEAN OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
310. Cooper Mark. MAXIMUM TEMPERATURE IS RELATED TO MEAN OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
311. Cooper Mark. SURFACE AREA IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
312. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
313. Cooper Mark. MEAN OCEAN WATER TEMPERATURE IS RELATED TO HIGHEST NUMBER OF DAILY HOURS OF SUNSHINE IN A MONTH IN FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
314. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO MEAN OCEAN WATER TEMPERATURE NEAR FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
315. Cooper Mark. TEMPERATURE IS RELATED MEAN OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
316. Cooper Mark. SEXUAL SIZE DIMORPHISM IS CORRELATED TO MEAN OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
317. Cooper Mark. TEMPERATURE IS RELATED MINIMUM OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

318. Cooper Mark. SEXUAL SIZE DIMORPHISM IS CORRELATED TO MINIMUM OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
319. Cooper Mark. MINIMUM OCEAN WATER TEMPERATURE IS RELATED TO HIGHEST NUMBER OF DAILY HOURS OF SUNSHINE IN A MONTH IN FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
320. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO MINIMUM OCEAN WATER TEMPERATURE NEAR FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
321. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
322. Cooper Mark. SURFACE AREA IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
323. Cooper Mark. MAXIMUM TEMPERATURE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
324. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
325. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO MINIMUM OCEAN WATER TEMPERATURE NEAR FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
326. Cooper Mark. HIGHEST RELATIVE HUMIDITY IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
327. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
328. Cooper Mark. PRECIPITATION IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
329. Cooper Mark. VOLUME IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
330. Cooper Mark. WIDTH IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
331. Cooper Mark. LENGTH IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
332. Cooper Mark. WIDTH IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FORESTRED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
333. Cooper Mark. LENGTH IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FORESTRED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
334. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
335. Cooper Mark. HIGHEST RELATIVE HUMIDITY IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
336. Cooper Mark. CURVED SURFACE AREA IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
337. Cooper Mark. PRECIPITATION IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
338. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
339. Cooper Mark. SURFACE AREA IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES IN COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
340. Cooper Mark. MAXIMUM TEMPERATURE IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
341. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
342. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO HIGHEST OCEAN WATER TEMPERATURE NEAR FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
343. Cooper Mark. LATITUDE IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
344. Cooper Mark. LONGITUDE IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST REDMILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
345. Cooper Mark. AVERAGE TEMPERATURE IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR

COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

346. Cooper Mark. AVERAGE TEMPERATURE VARIATION IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
347. Cooper Mark. CURVED SURFACE AREA IS RELATED AVERAGE TEMPERATURE VARIATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
348. Cooper Mark. AVERAGE TEMPERATURE VARIATION IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
349. Cooper Mark. CURVED SURFACE AREA IS RELATED TO SPECIES RICHNESS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
350. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
351. Cooper Mark. CURVED SURFACE AREA IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
352. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
353. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
354. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
355. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
356. Cooper Mark. TEMPERATURE IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
357. Cooper Mark. PRECIPITATION IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
358. Cooper Mark. PRECIPITATION IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
359. Cooper Mark. HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
360. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
361. Cooper Mark. DISTANCE TO THE NEAREST AIRPORT IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
362. Cooper Mark. SPECIES RICHNESS IS NOT RELATED TO DISTANCE TO THE NEAREST AIRPORT IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
363. Cooper Mark. MATING FREQUENCY IS RELATED to DISTANCE TO THE NEAREST AIRPORT IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
364. Cooper Mark. DISTANCE TO THE NEAREST AIRPORT IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
365. Cooper Mark. DISTANCE TO THE NEAREST AIRPORT IS RELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
366. Cooper Mark. STERNITE PROMINENCE IS RELATED TO ABUNDANCE IN CENTROBOLUS COOK, 1897. (In Prep.).
367. Cooper Mark. MATING FREQUENCY IS RELATED TO HIGHEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
368. Cooper Mark. Surface area to volume ratio correlates with the month with the lowest daily hours of sunshine in pill millipedes *Sphaerotherium* Brandt, 1833. (In Prep.).
369. Cooper Mark. Surface area to volume ratio correlates with the month with the most daily hours of sunshine in pill millipedes *Sphaerotherium* Brandt, 1833. (In Prep.).
370. Cooper Mark. Male surface area to volume ratio tracks average temperature in pill millipedes *Sphaerotherium* Brandt, 1833. (In Prep.).
371. Cooper Mark. ABUNDANCE IS RELATED TO HIGHEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
372. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO HIGHEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
373. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO HIGHEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
374. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO IS RELATED TO LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN CENTROBOLUS COOK, 1897. (In Prep.).
375. Cooper Mark. FEMALE SURFACE AREA-TO-VOLUME RATIO IS RELATED TO MINIMUM TEMPERATURE IN CENTROBOLUS COOK, 1897. (In Prep.).
376. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO IS RELATED TO TEMPERATURE IN CENTROBOLUS COOK, 1897. (In Prep.).
377. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN CENTROBOLUS COOK, 1897. (In Prep.).
378. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN CENTROBOLUS COOK, 1897. (In Prep.).
379. Cooper Mark. STERNITE PROMINENCE IS RELATED TO LOWEST RELATIVE HUMIDITY IN CENTROBOLUS COOK, 1897. (In Prep.).
380. Cooper Mark. Surface area to volume ratio correlates with the lowest average temperature in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).

381. Cooper Mark. Male surface area to volume ratio correlates with female surface area to volume ratio in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
382. Cooper Mark. Male surface area to volume ratio correlates with the lowest average temperature in pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
383. Cooper Mark. Mean annual temperature varies with the lowest average temperature in determining the size of female pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
384. Cooper Mark. Mean annual temperature varies with the highest average temperature in determining the size of female pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
385. Cooper Mark. The driest months varies with the distance to the closest airport across the distribution of pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
386. Cooper Mark. The wettest months varies with the distance to the closest airport across the distribution of pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
387. Cooper Mark. The difference between the driest and wettest months varies with the distance to the closest airport across the distribution of pill millipedes Sphaerotherium Brandt, 1833. (In Prep.).
388. Cooper Mark. SURFACE AREA IS RELATED TO WIDTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
389. Cooper Mark. SURFACE AREA IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
390. Cooper Mark. SPECIES RICHNESS IS MARGINALLY RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
391. Cooper Mark. SPECIES RICHNESS IS RELATED TO LOWEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
392. Cooper Mark. SPECIES RICHNESS IS RELATED to PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
393. Cooper Mark. SPECIES RICHNESS IS RELATED MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
394. Cooper Mark. MOMENTS OF INERTIA ARE RELATED TO WIDTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
395. Cooper Mark. MOMENTS OF INERTIA ARE RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
396. Cooper Mark. WIDTH MODELS WITH MATING FREQUENCY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
397. Cooper Mark. FEMALE WIDTH IS RELATED TO LOWEST NUMBER OF HOURS OF SUNSHINE IN A DAY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
398. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
399. Cooper Mark. WIDTH IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
400. Cooper Mark. LENGTH IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
401. Cooper Mark. WIDTH IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
402. Cooper Mark. LENGTH IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
403. Cooper Mark. CURVED SURFACE AREA IS RELATED TO WIDTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
404. Cooper Mark. CURVED SURFACE AREA IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
405. Cooper Mark. CURVED SURFACE AREA IS RELATED TO SEX RATIO IN FOREST REDMILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
406. Cooper Mark. COPULATION DURATION IS RELATED TO CURVED SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
407. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
408. Cooper Mark. CURVED SURFACE AREA IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
409. Cooper Mark. CURVED SURFACE AREA IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDESCENTROBOLUS COOK, 1897. (In Prep.).
410. Cooper Mark. CURVED SURFACE AREA IS RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
411. Cooper Mark. CURVED SURFACE AREA IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
412. Cooper Mark. CURVED SURFACE AREA IS RELATED TO LOWEST HOURS OF SUNSHINE IN A DAY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
413. Cooper Mark. CURVED SURFACE AREA IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
414. Cooper Mark. CURVED SURFACE AREA IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
415. Cooper Mark. VOLUME IS CORRELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

416. Cooper Mark. MASS IS CORRELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
417. Cooper Mark. MASS IS CORRELATED TO LOWEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
418. Cooper Mark. MASS IS CORRELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
419. Cooper Mark. MASS IS CORRELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
420. Cooper Mark. COPULATION DURATION IS MODELLED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
421. Cooper Mark. COPULATION DURATION IS MODELLED TO AVERAGE TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
422. Cooper Mark. COPULATION DURATION IS MODELLED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
423. Cooper Mark. MATING FREQUENCY IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
424. Cooper Mark. MATING FREQUENCY IS RELATED TO LOWEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
425. Cooper Mark. MATING FREQUENCY IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
426. Cooper Mark. MATING FREQUENCY IS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
427. Cooper Mark. MATING FREQUENCY IS RELATED PRECIPITATION INFOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
428. Cooper Mark. MATING FREQUENCY IS RELATED PRECIPITATION INFOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
429. Cooper Mark. MATING FREQUENCY IS RELATED HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
430. Cooper Mark. TEMPERATURE IS RELATED MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
431. Cooper Mark. TEMPERATURE IS RELATED MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
432. Cooper Mark. PRECIPITATION IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
433. Cooper Mark. HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH ARE RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
434. Cooper Mark. HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH ARE RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. In Prep.).
435. Cooper Mark. HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH ARE RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
436. Cooper Mark. HIGHEST TOTAL HOURS OF SUNSHINE THROUGHOUT A MONTH ARE RELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
437. Cooper Mark. COPULATION DURATION IS RELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
438. Cooper Mark. MOMENTS OF INERTIA ARE RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
439. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR ARE RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
440. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
441. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
442. Cooper Mark. COPULATION DURATION IS RELATED TO LOWEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
443. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
444. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
445. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
446. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
447. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
448. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).

449. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
450. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
451. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
452. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
453. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
454. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
455. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IS RELATED TO HIGHEST NUMBER OF DAILY HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
456. Cooper Mark. LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IS RELATED TO TOTAL HOURS OF SUNSHINE IN A YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
457. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
458. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
459. Cooper Mark. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
460. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
461. Cooper Mark. LOWEST RELATIVE HUMIDITY IS RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
462. Cooper Mark. MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IS RELATED TO PRECIPITATION IN FOREST REDMILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
463. Cooper Mark. MINIMUM TEMPERATURE IS RELATED TO TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST REDMILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
464. Cooper Mark. MAXIMUM TEMPERATURE IS RELATED TO TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST REDMILLIPEDES *CENTROBOLUS* COOK, 1897. In Prep.).
465. Cooper Mark. PRECIPITATION IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
466. Cooper Mark. PRECIPITATION IS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. (In Prep.).
467. Cooper Mark. SURFACE AREA IS NOT RELATED TO MONTH WITH THE HIGHEST NUMBER OF RAINY DAYS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
468. Cooper Mark. SURFACE AREA IS NOT RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
469. Cooper Mark, MINIMUM TEMPERATURE IS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (In Prep.).
470. Cooper Mark. SURFACE AREA IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. Munis Entomology & Zoology, 2023; (submitted).
471. Cooper Mark. SURFACE AREA IS NOT RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. Munis Entomology & Zoology, 2023; (submitted).
472. Cooper Mark. SURFACE AREA IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. Munis Entomology & Zoology, 2023; (submitted).
473. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE DIFFERENT BETWEEN THE SEXES OF A PAIR OF SYMPATRIC FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4):(in prep.).
474. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATIVELY DIFFERENT BETWEEN A PAIR OF SYMPATRIC FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4):(in prep.).
475. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE DIFFERENT BETWEEN ONE PAIR OF SYMPATRIC FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4):(in prep.).
476. Cooper Mark. FEMALE SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MAXIMUM PRECIPITATION IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of

Engineering Science Invention Research & Development. 2023; 10(4):(in prep.).
477. Cooper Mark. MALE SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO ALTITUDE IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4) (in prep.).
478. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO AVERAGE TEMPERATURE VARIATION IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4) (in prep.).
479. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4) (in prep.).
480. Cooper Mark. MALE SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MATING FREQUENCIES IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4) (in prep.).
481. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(4) (in prep.).
482. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 266-282. https://ijesird.com/sep11_23.pdf.
483. Cooper Mark. SURFACE AREA-TO-VOLUME RATIO ARE RELATED TO SECOND POLAR MOMENTS OF INERTNESS IN *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 249-265. https://ijesird.com/sep10_23.pdf,
484. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 231-248. https://ijesird.com/sep9_23.pdf.
485. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 214-230. https://ijesird.com/sep8_23.pdf.
486. Cooper Mark. STERNITE PROMINENCE IS RELATED TO SECOND POLAR MOMENTS OF INERTNESS IN *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 198-213. https://ijesird.com/sep7_23.pdf.
487. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO LENGTH IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 181-197. http://www.ijesird.com/sep6_23.pdf.
488. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO WIDTH IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 164-180. http://www.ijesird.com/sep5_23.pdf.
489. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MINIMUM PRECIPITATION IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 147-163. http://www.ijesird.com/sep4_23.pdf.
490. Cooper Mark. CURVED SURFACE AREA IS RELATED TO SECOND POLAR MOMENTS OF INERTIA IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 130-146. http://www.ijesird.com/sep3_23.pdf.
491. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 129-145. http://www.ijesird.com/sep2_23.pdf.
492. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO SPECIES RICHNESS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(3): 113-128. http://www.ijesird.com/sep1_23.pdf.
493. Cooper Mark. MALE SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO ABUNDANCE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(2): 89-99. http://www.ijesird.com/aug_2023_7.pdf.
494. Cooper Mark. MALE SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO COPULATION DURATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; (in press). http://www.ijesird.com/aug_2023_6.pdf.
495. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK,

1897. International Journal of Engineering Science Invention Research & Development. 2023; (in press). http://www.ijesird.com/aug_2023_5.pdf.

496. Cooper Mark. SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO (MALE) MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; (in press). http://www.ijesird.com/aug_2023_4.pdf.

497. Cooper Mark. SURFACE AREA IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(2): 37-53. http://www.ijesird.com/aug_2023_3.pdf

498. Cooper Mark. (FEMALE) SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO SEXUAL SIZE DIMORPHISM IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(2): 24-36. http://www.ijesird.com/aug_2023_2.pdf

499. COOPER, MARK. AN INVERSE LATITUDINAL GRADIENT IN SPECIES RICHNESS OF FOREST RED MILLIPEDES CHERSASTUS ATTEMS, 1926 AND CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(2): 5-23. http://www.ijesird.com/aug_2023_1.pdf

500. COOPER, MARK. THE INVERSE LATITUDINAL GRADIENT IN SPECIES RICHNESS OF FOREST MILLIPEDES: PACHYBOLIDAE COOK, 1897. International Journal of Scientific Research, Technology & Innovation in Multidisciplinary Studies. 9th April 2023. Volume 4, pp. 80-85.

501. COOPER, MARK. MATING FREQUENCIES VARY WITH RAINY DAYS IN RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 9(8): 263-270. http://www.ijesird.com/Fab_3_23.PDF.

502. COOPER, MARK. ABUNDANCE VARIES WITH MINIMUM TEMPERATURE IN RED MILLIPEDES CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 9(8): 258-262. http://www.ijesird.com/Fab_2_23.PDF.

503. Cooper, Mark I. SEXUAL SIZE DIMORPHISM MAY BE RELATED TO SEX RATIOS IN CENTROBOLUS COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 9(8): 252-257. http://www.ijesird.com/FAB_1_23.PDF.

504. Cooper, Mark I. CURVED SURFACE AREAS IN *CENTROBOLUS* COOK, 1897. Universe Int. J. Interdiscip. Res. 2023; 3(8): 81-116. http://www.doi-ds.org/doilink/02.2023-92114597/UIJIR.

505. Cooper M. SECOND POLAR MOMENTS OF INERTNESS WITH TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. Universe Int. J. Interdiscip. Res. 2023; 3(8): 11-32. http://www.doi-ds.org/doilink/01.2023-86516136/UIJIR.

506. Cooper, Mark I. 2023. SECOND POLAR MOMENTS OF AREA IN MALE AND FEMALE *CENTROBOLUS* COOK, 1897. *Munis Entomology & Zoology*, 18(1): 643-646. http://www.munisentzool.org/Issue/abstract/second-polar-moments-of-area-in-male-and-female-centrobolus-cook-1897_13951.

507. Cooper, Mark I. 2023. QUASIPROBABLE SOLUTION OF RAINY DAY VARIATIONS FOR SET MATING FREQUENCIES AND MALE AND FEMALE LENGTHS IN *CENTROBOLUS* COOK, 1897. *Munis Entomology & Zoology*, 18(1): 620-624. http://www.munisentzool.org/Issue/abstract/quasiprobable-solution-of-rainy-day-variations-for-set-mating-frequencies-and-male-and-female-lengths-in-centrobolus-cook-1897_13947.

508. Cooper Mark I. 2023. IS MASS CORRELATED WITH LENGTH AMONG RED MILLIPEDES CENTROBOLUS COOK, 1897? *Munis Entomology & Zoology*, 18(1): 404-408. http://www.munisentzool.org/Issue/abstract/is-mass-correlated-with-length-among-red-millipedes-centrobolus-cook-1897_13922. http://hdl.handle.net/10019.1/125806.

509. Cooper Mark I. 2023. THE HIGHEST DAILY HOURS OF SUNSHINE ARE RELATED TO LONGITUDE ACROSS THE DISTRIBUTION OF PILL MILLIPEDES SPHAEROTHERIUM BRANDT, 1833. *Munis Entomology & Zoology*, 18(1): 385-387. http://www.munisentzool.org/Issue/abstract/the-highest-daily-hours-of-sunshine-are-related-to-longitude-across-the-distribution-of-pill-millipedes-sphaerotherium-brandt-1833_13920. http://hdl.handle.net/10019.1/125806.

510. Cooper Mark I. 2023. DOES SEXUAL SIZE DIMORPHISM VARY WITH THE FEWEST DAILY HOURS OF SUNSHINE IN RED MILLIPEDES CENTROBOLUS COOK, 1897? *Munis Entomology & Zoology*, 18(1): 373-375. http://www.munisentzool.org/Issue/abstract/does-sexual-size-dimorphism-vary-with-the-fewest-daily-hours-of-sunshine-in-red-millipedes-centrobolus-cook-1897_13918.

511. Cooper Mark I. 2023. PRECIPITATION DURING THE DRIEST MONTH IS MARGINALLY RELATED TO LONGITUDE ACROSS THE DISTRIBUTION OF RED MILLIPEDES CENTROBOLUS COOK, 1897. *Munis Entomology & Zoology*, 18(1): 339-341. http://www.munisentzool.org/Issue/abstract/precipitation-during-the-driest-month-is-marginally-related-to-longitude-across-the-distribution-of-red-millipedes-centrobolus-cook-1897_13915.

APPENDIX 1. Avg. Temperature °C at Lochiel.

19.4
19.4
18.4
16.0
13.4
10.9

10.7
13.2
15.7
17.0
17.9
19.1

APPENDIX 2. Min. Temperature °C at Lochiel.

15.2
15.2
13.9
10.9
7.0
4.2
3.5
6.0
8.7
11.1
12.7
14.5

APPENDIX 3. Max. Temperature °C at Lochiel.

24.5
24.7
23.9
21.9
20.5
18.6
18.5
21.3
23.5
23.7
23.9
24.7

APPENDIX 4. Precipitation at Lochiel.

156
121
110
50
21
10
10
17
37
89
134
164

APPENDIX 5. Humidity at Lochiel.

77
76
75
72
63
58
55
51
55
65
73
76

APPENDIX 6. Rainy days (per month) at Lochiel.

14
11
11
7
3
1
1
3
5
11
14
15

APPENDIX 7. Average sun hours at Lochiel.

6.3
6.5
6.8
6.9
8.1
8.1
8.1
8.4
8.1
7.2
6.9
7.0

APPENDIX 8. Avg. Temperature °C at Umhlanga Rocks.

23.6
23.9
23.2
21.1
19.2
17.2

16.6
17.8
18.8
19.8
21.0
22.6

APPENDIX 9. Min. Temperature °C at Umhlanga Rocks.

21.0
21.3
20.5
18.1
15.5
13.1
12.3
13.7
15.2
16.8
18.2
19.9

APPENDIX 10. Max. Temperature °C at Umhlanga Rocks.

26.4
26.7
26.3
24.5
23.4
22.0
21.4
22.3
22.7
23.1
24.1
25.4

APPENDIX 11. Precipitation at Umhlanga Rocks.

99
84
103
78
48
30
46
40
64
97
101
103

APPENDIX 12. Humidity at Umhlanga Rocks.

80
80
79
77
74
69
69
69
73
77
78
79

APPENDIX 13. Rainy days (per month) at Umhlanga Rocks.

10
9
9
7
4
3
4
5
7
10
10
10

APPENDIX 14. Average sun hours at Umhlanga Rocks.

7.2
7.5
7.4
7.5
7.9
8.0
8.0
7.9
7.2
6.8
6.7
7.0

APPENDIX 15. Avg. Temperature °C at Vryheid.

20.1
20.2
19.2

16.7
14.2
11.7
11.5
13.9
16.4
17.3
18.4
19.8

APPENDIX 16. Min. Temperature °C at Vryheid.

15.6
15.7
14.5
11.6
8.0
5.0
4.4
7.0
9.7
11.5
13.2
14.8

APPENDIX 17. Max. Temperature °C at Vryheid.

25.5
25.6
24.7
22.6
21.3
19.2
19.3
21.9
24.1
24.1
24.6
25.6

APPENDIX 18. Precipitation at Vryheid.

148
120
105
52
21
14
16
26
42
106
145
167

APPENDIX 19. Humidity at Vryheid.

75
75
73
70
60
55
52
50
54
65
71
73

APPENDIX 20. Rainy days (per month) at Vryheid.

12
11
10
7
3
2
2
3
5
11
13
15

APPENDIX 21. Average sun hours at Vryheid.

6.8
7.2
7.1
7.1
8.1
8.0
8.1
8.3
7.9
7.1
7.1
7.3

APPENDIX 22. Avg. Temperature °C at Hout Bay.

20.0
20.1
18.9
16.9

15.1
13.6
13.0
13.0
14.0
15.7
17.1
19.0

APPENDIX 23. Min. Temperature °C at Hout Bay.

17.7
17.8
18.7
14.6
13.0
11.4
10.8
10.8
11.8
13.4
14.8
16.6

APPENDIX 24. Max. Temperature °C at Hout Bay.

22.6
22.8
21.6
19.5
17.4
15.7
15.7
15.3
16.3
18.2
19.6
21.5

APPENDIX 25. Precipitation at Hout Bay.

12
13
14
42
59
92
85
73
42
27
25
14

APPENDIX 26. Humidity at Hout Bay.

73
74
75
77
80
78
77
77
74
73
72
72

APPENDIX 27. Rainy days (per month) at Hout Bay.

2
2
2
4
6
8
7
8
6
4
3
3

APPENDIX 28. Average sun hours at Hout Bay.

10.8
9.9
8.8
7.8
6.7
6.7
6.8
7.1
8.0
9.4
10.4
11.0

APPENDIX 29. Avg. Temperature °C at Gans Bay.

20.6
20.8
19.6
17.5
15.7

13.9
13.3
13.4
14.3
16.1
17.6
19.7

APPENDIX 30. Min. Temperature °C at Gans Bay.

18.0
18.2
17.2
15.2
13.4
11.5
10.8
10.9
11.8
13.5
14.9
16.9

APPENDIX 31. Max. Temperature °C at Gans Bay.

24.0
24.1
22.8
20.7
18.6
16.6
16.0
16.1
17.2
19.3
20.8
23.0

APPENDIX 32. Precipitation at Gans Bay.

26
26
31
49
58
88
89
76
52
44
42
28

APPENDIX 33. Humidity at Gans Bay.

71
72
74
77
78
77
77
77
74
72
70
69

APPENDIX 34. Rainy days (per month) at Gans Bay.

4
5
5
6
6
8
8
8
7
6
5
4

APPENDIX 35. Average sun hours at Gans Bay.

9.0
8.4
7.6
7.4
7.0
6.7
6.6
6.8
7.4
8.1
9.1
9.5

APPENDIX 36. Avg. Temperature °C at Richards Bay.

24.8
25.0
24.5
22.6
20.9

19.1
18.5
19.5
20.4
21.2
22.4
22.0

APPENDIX 37. Min. Temperature °C at Richards Bay.

22.4
22.6
22.0
20.1
18.0
15.9
15.4
16.4
17.4
18.5
19.8
21.4

APPENDIX 38. Max. Temperature °C at Richards Bay.

27.7
28.0
27.5
25.6
24.3
22.7
22.2
23.1
24.0
24.4
25.5
27.1

APPENDIX 39. Precipitation at Richards Bay.

113
99
106
84
61
42
52
45
58
88
99
97

APPENDIX 40. Humidity at Richards Bay.

75
76
76
74
72
68
69
68
70
73
74
74

APPENDIX 41. Rainy days (per month) at Richards Bay.

10
9
10
8
6
5
6
6
7
9
10
10

APPENDIX 42. Average sun hours at Richards Bay.

7.8
8.1
8.2
7.7
8.0
7.9
7.9
7.8
7.5
7.0
7.0
7.7

APPENDIX 43. Avg. Temperature °C at Gorongosa.

24.9
24.8
24.1

22.4
20.8
19.3
18.7
20.5
23.0
24.4
25.3
25.2

APPENDIX 44. Min. Temperature °C at Gorongosa.

21.6
21.5
20.8
18.6
16.2
14.6
14.0
14.7
16.7
18.6
20.3
21.3

APPENDIX 45. Max. Temperature °C at Gorongosa.

29.0
28.8
28.1
26.7
25.6
24.1
23.7
26.4
29.4
30.5
30.7
29.7

APPENDIX 46. Precipitation at Gorongosa.

264
203
166
75
27
24
31
24
36
58
123
235

APPENDIX 47. Humidity at Gorongosa.

81
81
81
77
71
69
67
61
58
63
67
76

APPENDIX 48. Rainy days (per month) at Gorongosa.

16
14
14
9
5
4
5
4
4
7
9
13

APPENDIX 49. Average sun hours at Gorongosa.

7.1
7.1
6.5
6.7
7.5
7.2
7.0
8.0
8.2
7.9
8.0
7.6

APPENDIX 50. Avg. Temperature °C at Scottburgh.

22.7
23.1
22.4

20.2
18.4
16.4
15.8
17.0
17.9
18.9
20.1
21.7

APPENDIX 51. Min. Temperature °C at Scottburgh.

19.8
20.2
19.3
16.8
14.4
12.0
11.3
12.6
13.9
15.5
16.9
18.7

APPENDIX 52. Max. Temperature °C at Scottburgh.

26.0
26.5
26.0
24.3
23.4
22.0
21.5
22.3
22.5
22.8
23.8
25.0

APPENDIX 53. Precipitation at Scottburgh.

106
93
111
93
52
39
48
49
76
119
117
112

APPENDIX 54. Humidity at Scottburgh.

81
81
80
77
70
63
63
66
72
78
79
80

APPENDIX 55. Rainy days (per month) at Scottburgh.

11
10
9
8
5
4
4
5
7
11
11
11

APPENDIX 56. Average sun hours at Scottburgh.

7.0
7.4
7.3
7.6
8.0
8.1
8.1
7.9
7.2
6.7
6.6
6.9

APPENDIX 57. Avg. Temperature °C at Durban.

24.0
24.3
23.7

21.8
20.0
18.0
17.3
18.2
19.0
20.0
21.3
22.9

APPENDIX 58. Min. Temperature °C at Durban.

21.6
22.0
21.3
19.1
16.8
14.5
13.7
14.7
15.9
17.4
19.8
20.5

APPENDIX 59. Max. Temperature °C at Durban.

26.5
27.0
26.4
24.7
23.5
22.1
21.4
22.1
22.4
22.9
24.0
25.5

APPENDIX 60. Precipitation at Durban.

99
84
103
78
48
30
46
40
64
97
101
103

APPENDIX 61. Humidity at Durban.

79
79
79
77
75
70
70
71
74
78
78
79

APPENDIX 62. Rainy days (per month) at Durban.

10
9
9
7
4
3
4
5
7
10
10
10

APPENDIX 63. Average sun hours at Durban.

7.2
7.5
7.4
7.5
7.9
8.0
8.0
7.9
7.2
6.8
6.7
7.0

APPENDIX 64. Avg. Temperature °C at Pietermaritzburg.

20.4
20.6
19.7

17.2
14.8
12.1
11.9
14.0
15.7
16.9
18.0
19.5

APPENDIX 65. Min. Temperature °C at Pietermaritzburg.

16.3
16.6
15.5
12.6
9.2
6.0
5.4
7.7
10.0
12.0
13.5
15.3

APPENDIX 66. Max. Temperature °C at Pietermaritzburg.

25.4
25.7
25.2
22.9
21.8
19.8
19.9
21.8
23.1
23.3
23.7
24.8

APPENDIX 67. Precipitation at Pietermaritzburg.

140
118
106
62
32
23
31
37
59
100
121
137

APPENDIX 68. Humidity at Pietermaritzburg.

83
82
80
77
70
64
60
60
67
75
79
81

APPENDIX 69. Rainy days (per month) at Pietermaritzburg.

14
11
11
7
4
3
3
5
7
12
13
14

APPENDIX 70. Average sun hours at Pietermaritzburg.

6.3
6.6
6.9
7.0
7.8
7.8
8.0
7.8
7.4
6.6
6.3
6.3

APPENDIX 71. Avg. Temperature °C at Kirkwood.

22.8
22.9
21.5
18.9
16.6
14.1
13.7
14.6
16.0
18.1
19.4
21.6

APPENDIX 72. Min. Temperature °C at Kirkwood.

17.3
17.6
16.2
13.3
10.8
8.1
7.6
8.4
9.8
12.1
13.7
16.0

APPENDIX 73. Max. Temperature °C at Kirkwood.

29.8
29.8
28.5
25.7
23.6
21.0
20.8
22.0
23.6
25.3
26.4
28.6

APPENDIX 74. Precipitation at Kirkwood.

41
47
47
39
20
22
22
32
31
49
56
45

APPENDIX 75. Humidity at Kirkwood.

63
64
64
64
59
55
63
55
58
60
61
61

APPENDIX 76. Rainy days (per month) at Kirkwood.

6
6
6
5
3
3
3
4
4
5
6
6

APPENDIX 77. Average sun hours at Kirkwood.

8.2
7.6
7.7
7.6
7.8
7.7
7.7
8.0
8.1
8.1
8.5
8.3

APPENDIX 78. Avg. Temperature °C at Cape Town.

20.0
20.1
18.9
16.9
15.1
13.6
13.0
13.0
14.0
15.7
17.1
19.0

APPENDIX 79. Min. Temperature °C at Cape Town.

17.6
17.8
16.7
14.6
13.0
11.4
10.8
10.8
11.8
13.4
14.8
16.6

APPENDIX 80. Max. Temperature °C at Cape Town.

22.6
22.8
21.6
19.5
17.4
15.7
15.3
15.3
16.3
18.2
19.6
21.5

APPENDIX 81. Precipitation at Cape Town.

17
16
18
50
72
112
103
90
55
36
32
20

APPENDIX 82. Humidity at Cape Town.

73
74
75
77
80
78
77
77
74
73
72
72

APPENDIX 83. Rainy days (per month) at Cape Town.

2
2
3
4
7
8
7
7
6
5
4
3

APPENDIX 84. Average sun hours at Cape Town.

10.6
9.9
8.8
7.9
6.7
6.4
6.6
6.8
7.7
9.1
10.1
10.8

APPENDIX 85. Avg. Temperature °C at Kei Road..

20.2
20.4
19.4
16.9
14.9
12.8
12.6
13.7
14.7
16.2
17.3
19.1

APPENDIX 86. Min. Temperature °C at Kei Road..

15.7
16.1
15.0
12.2
9.8
7.3
6.9
7.9
9.2
11.0
12.3
14.5

APPENDIX 87. Max. Temperature °C at Kei Road..

25.6
25.6
24.9
22.7
21.3
19.5
19.6
20.8
21.7
22.3
23.2
24.6

APPENDIX 88. Precipitation at Kei Road..

119
114
111
88
30
27
28
45
60
91
101
118

APPENDIX 89. Humidity at Kei Road..

78
79
77
74
66
58
54
57
64
70
73
76

APPENDIX 90. Rainy days (per month) at Kei Road..

11
10
9
7
4
3
3
4
6
9
9
10

APPENDIX 91. Average sun hours at Kei Road.

6.5
6.4
6.7
7.3
7.9
7.9
7.9
8.0
7.7
7.2
7.1
6.4

APPENDIX 92. Avg. Temperature °C at Port Shepstone.
23.2
23.7
23.3
21.0
19.2
17.1
16.5
17.5
18.3
19.3
20.5
22.1

APPENDIX 93. Min. Temperature °C at Port Shepstone.
20.9
21.4
20.6
18.3
15.9
13.3
12.6
13.8
15.1
16.6
18.0
19.7

APPENDIX 94. Max. Temperature °C at Port Shepstone.
25.7
26.2
25.5
23.9
22.9
21.5
20.9
21.4
21.6
22.2
23.2
24.6

APPENDIX 95. Precipitation at Port Shepstone.
105
88
109
90
49
39
43
48
69
101
103
103

APPENDIX 96. Humidity at Port Shepstone.
81
81
80
78
75
70
70
71
75
78
79
80

APPENDIX 97. Rainy days (per month) at Port Shepstone.
11
9
10
8
5
4
4
5
7
10
10
11

APPENDIX 98. Average sun hours at Port Shepstone.
6.8
7.1
7.0
7.5
8.0
8.1
8.1
7.9

7.1
6.5
6.4
6.6

APPENDIX 99. Avg. Temperature °C at Hluhluwe.

24.8
25.0
24.4
22.6
20.9
19.3
18.7
19.6
20.7
21.3
22.5
24.1

APPENDIX 100. Min. Temperature °C at Hluhluwe.

22.2
22.4
21.7
19.8
17.8
15.8
15.3
16.2
17.2
18.3
19.7
21.3

APPENDIX 101. Max. Temperature °C at Hluhluwe.

27.9
28.1
27.6
25.9
24.8
23.4
22.8
23.8
24.7
24.9
25.9
27.4

APPENDIX 102. Precipitation at Hluhluwe.

110
95
103
63
41
25
30
33
47
86
100
104

APPENDIX 103. Humidity at Hluhluwe.

75
75
76
73
70
65
66
66
68
72
74
74

APPENDIX 104. Rainy days (per month) at Hluhluwe.

10
9
10
7
4
4
4
5
5
8
9
9

APPENDIX 105. Average sun hours at Hluhluwe.

7.2
7.5
7.7
7.4
8.0
7.9
7.8
7.8

7.2
6.5
6.5
7.1

APPENDIX 106. Avg. Temperature °C at De Hoop.

22.1
22.2
20.7
18.0
15.2
11.9
11.4
12.7
14.7
17.2
18.7
20.9

APPENDIX 107. Min. Temperature °C at De Hoop.

16.1
16.2
15.0
12.1
9.1
5.5
4.8
6.1
8.3
10.9
12.6
15.0

APPENDIX 108. Max. Temperature °C at De Hoop.

30.1
30.1
28.3
25.1
22.1
18.8
18.6
19.9
22.2
24.9
26.5
28.9

APPENDIX 109. Precipitation at De Hoop.

31
29
42
37
25
22
24
30
25
40
47
34

APPENDIX 110. Humidity at De Hoop.

57
58
60
60
58
59
58
56
56
57
56
56

APPENDIX 111. Rainy days (per month) at De Hoop.

5
5
5
5
3
3
4
4
4
5
5
5

APPENDIX 112. Average sun hours at De Hoop.

10.0
9.3
8.5
8.0
7.6
7.3
7.4
7.8

8.4
8.9
9.7
10.1

APPENDIX 113. Avg. Temperature °C at Hoedspruit.

24.3
24.4
23.7
21.3
19.0
16.6
16.2
18.5
21.0
22.3
23.1
24.3

APPENDIX 114. Min. Temperature °C at Hoedspruit.

19.8
19.9
18.9
16.1
12.5
9.6
9.0
11.3
14.2
16.3
17.9
19.4

APPENDIX 115. Max. Temperature °C at Hoedspruit.

29.2
29.5
28.8
26.7
25.4
23.5
23.1
25.4
27.6
28.3
28.6
29.5

APPENDIX 116. Precipitation at Hoedspruit.

91
63
50
26
8
3
4
5
12
29
69
90

APPENDIX 117. Humidity at Hoedspruit.

66
65
64
63
56
53
50
47
47
53
61
63

APPENDIX 118. Rainy days (per month) at Hoedspruit.

7
6
5
3
1
1
0
1
2
3
6
8

APPENDIX 119. Average sun hours at Hoedspruit.

7.3
7.6
7.8
7.4
8.2

8.2
8.2
8.3
8.1
7.3
7.2
7.7

APPENDIX 120. Avg. Temperature °C at Winterton.

20.7
20.6
19.2
16.1
12.5
9.1
8.8
12.0
15.5
17.6
19.0
20.4

APPENDIX 121. Min. Temperature °C at Winterton.

15.4
15.4
13.4
9.8
4.9
0.9
0.4
3.5
7.3
10.4
12.6
14.4

APPENDIX 122. Max. Temperature °C at Winterton.

26.3
26.0
25.0
22.3
20.4
17.9
17.9
20.8
23.9
24.8
25.7
26.5

APPENDIX 123. Precipitation at Winterton.

166
136
110
52
20
14
16
27
35
86
108
157

APPENDIX 124. Humidity at Winterton.

71
71
69
67
62
60
57
53
52
59
63
67

APPENDIX 125. Rainy days (per month) at Winterton.

14
12
10
6
3
2
2
3
5
10
12
14

APPENDIX 126. Average sun hours at Winterton.

8.4
8.5
8.3
7.9
8.4

8.3
8.4
8.6
8.5
8.2
8.6
8.9

APPENDIX 127. Avg. Temperature °C at Port St Johns.

22.8
23.2
22.4
20.4
18.7
16.8
16.3
17.2
17.8
18.8
20.0
21.6

APPENDIX 128. Min. Temperature °C at Port St Johns.

20.2
20.7
19.9
17.5
15.5
13.1
12.4
13.3
14.3
15.7
17.1
19.0

APPENDIX 129. Max. Temperature °C at Port St Johns.

25.5
26.0
25.3
23.8
22.9
21.6
21.4
21.8
21.7
22.1
22.9
24.2

APPENDIX 130. Precipitation at Port St Johns.

140
111
133
92
43
38
36
48
82
108
127
131

APPENDIX 131. Humidity at Port St Johns.

82
82
82
79
73
66
64
66
73
78
79
81

APPENDIX 132. Rainy days (per month) at Port St Johns.

13
11
11
8
4
3
3
6
8
11
12
13

APPENDIX 133. Average sun hours at Port St Johns.

6.2
6.4

6.4
7.2
7.9
8.1
8.1
7.8
7.2
6.6
6.3
6.1

APPENDIX 134. Avg. Temperature °C at Knysna.

20.1
20.3
19.3
17.4
15.7
13.7
13.2
13.5
14.3
15.9
17.1
19.0

APPENDIX 135. Min. Temperature °C at Knysna.

17.1
17.4
16.3
14.2
12.5
10.3
9.8
10.1
10.9
12.6
13.9
15.9

APPENDIX 136. Max. Temperature °C at Knysna.

23.4
23.6
22.7
21.0
19.6
17.8
17.3
17.5
18.1
19.4
20.4
22.3

APPENDIX 137. Precipitation at Knysna.

54
48
57
57
50
48
49
64
53
67
74
53

APPENDIX 138. Humidity at Knysna.

77
78
77
76
72
70
70
71
73
75
76
76

APPENDIX 139. Rainy days (per month) at Knysna.

7
7
7
6
5
6
6
7
7
7
7
8

APPENDIX 140. Average sun hours at Knysna.

8.8
8.3
7.9

7.7
7.7
7.5
7.4
7.8
7.9
8.3
8.8
9.1

APPENDIX 141. Avg. Temperature °C at Bot River.

20.4
20.6
19.2
16.8
14.3
11.7
10.9
11.3
12.6
15.0
16.7
19.2

APPENDIX 142. Min. Temperature °C at Bot River.

15.6
15.9
14.8
12.6
10.4
7.7
6.8
7.2
8.4
10.5
12.0
14.3

APPENDIX 143. Max. Temperature °C at Bot River.

26.3
26.5
24.9
22.2
19.1
16.2
15.6
15.9
17.4
20.1
22.2
24.9

APPENDIX 144. Precipitation at Bot River.

29
29
33
54
60
88
85
73
53
49
47
31

APPENDIX 145. Humidity at Bot River.

65
67
68
72
75
77
78
79
76
72
68
65

APPENDIX 146. Rainy days (per month) at Bot River.

4
4
5
5
6
7
7
7
6
6
5
5

APPENDIX 147. Average sun hours at Bot River.

9.1
8.5
7.8

7.3
6.7
6.3
6.3
6.2
6.9
7.8
8.8
9.4

APPENDIX 148. Avg. Temperature °C at Gqeberha.

29.1
22.1
20.9
18.7
16.9
14.9
14.4
14.8
15.8
17.5
18.8
20.6

APPENDIX 149. Min. Temperature °C at Gqeberha.

18.7
19.0
17.7
15.3
12.9
10.6
10.1
10.6
11.8
13.8
15.4
17.4

APPENDIX 150. Max. Temperature °C at Gqeberha.

25.4
25.7
24.8
23.0
21.7
20.1
19.7
19.9
20.3
21.5
22.4
24.2

APPENDIX 151. Precipitation at Gqeberha.

39
42
49
49
41
45
42
56
42
53
58
47

APPENDIX 152. Humidity at Gqeberha.

73
74
75
74
70
65
64
68
70
71
71
72

APPENDIX 153. Rainy days (per month) at Gqeberha.

6
6
6
6
5
6
5
6
6
6
7
6

APPENDIX 154. Average sun hours at Gqeberha.

8.7
8.1
8.0

7.8
7.8
7.9
7.8
8.0
8.3
8.2
8.8
8.8

APPENDIX 155. Avg. Temperature °C at Mtunzini.

24.7
24.9
24.2
22.3
20.4
18.4
17.9
19.0
20.0
20.9
22.2
23.8

APPENDIX 156. Min. Temperature °C at Mtunzini.

21.9
22.1
21.4
19.2
17.0
14.7
14.1
15.2
16.4
17.8
19.1
20.9

APPENDIX 157. Max. Temperature °C at Mtunzini.

28.0
28.1
27.6
25.8
24.4
22.8
22.3
23.4
24.2
24.7
25.7
27.2

APPENDIX 158. Precipitation at Mtunzini.

121
111
111
92
68
45
59
51
67
101
111
108

APPENDIX 159. Humidity at Mtunzini.

75
76
76
74
72
68
67
67
70
73
74
75

APPENDIX 160. Rainy days (per month) at Mtunzini.

11
10
10
8
7
5
6
7
8
111
111
111

APPENDIX 161. Average sun hours at Mtunzini.

8.2
8.4
8.3

7.8
8.1
8.0
8.0
7.9
7.7
7.3
7.4
8.0