

LONGITUDINAL SPECIES RICHNESS CORRELATION IN SOUTHERN AFRICAN DIPLOPODA DE BLAINVILLE IN GERVAIS, 1844

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Abstract- Longitudinal species richness is calculated in southern African Diplopoda. Species richness was related to longitude in southern African Diplopoda ($r = 0.71180972$, Z score=20.68213736, N=542, P=0).

keywords: African, Diplopoda, longitude, richness, southern, species.

I. INTRODUCTION

Diplopoda is the class of millipedes. Here, species richness is related to longitude in southern African Diplopoda.

II. MATERIALS AND METHODS

Species richness and longitude coordinates were obtained for 542 species of southern African Diplopoda from a Checklist of Southern African Millipedes. These were correlated using the Gigacalculator correlation.

III. RESULTS

Species richness was related to longitude in southern African Diplopoda (Figure 1: $r = 0.71180972$, Z score=20.68213736, N=542, P=0). Longitudinal species richness in southern

African Diplopoda is displayed as a histogram (Figure 2).

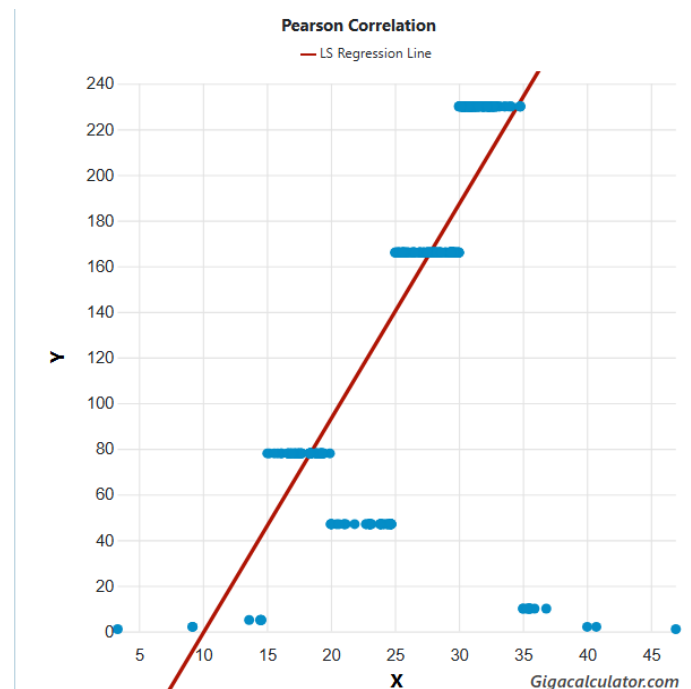


Figure 1. Species richness correlated to longitude in southern African Diplopoda de Blainville in Gervais, 1844.

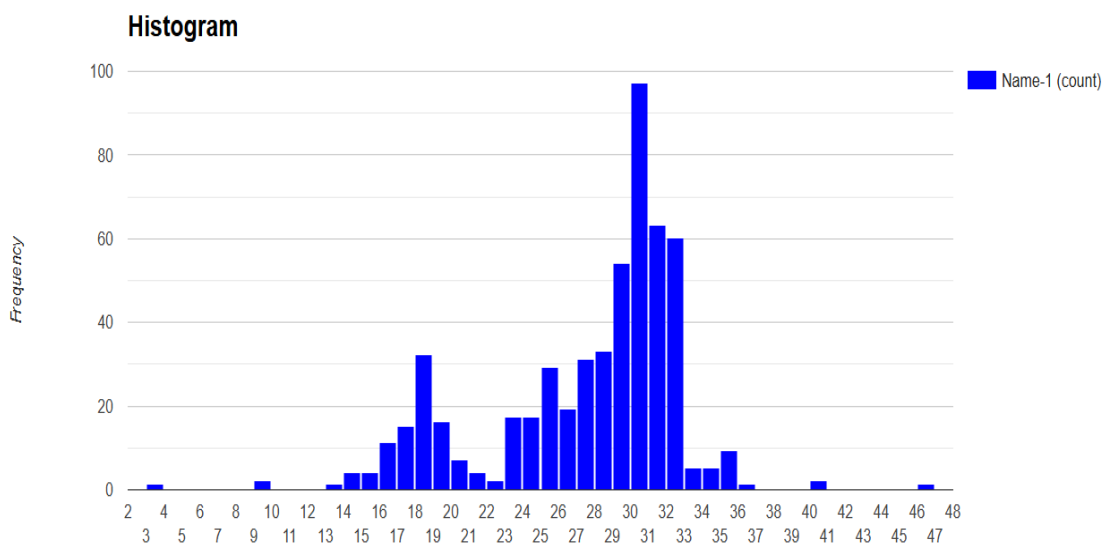


Figure 2. Longitudinal species richness in southern African Diplopoda de Blainville in Gervais, 1844.

IV. DISCUSSION

Longitude correlated to species richness in southern African Diplopoda. There is an interesting relationship with a millipedes occurring in higher species richness found at higher longitudes (30 to 35 degrees East).

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- 578.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO LOWEST DAILY HOURS OF SUNSHINE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 579.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 580.COOPER, M. I. HYPOTHETICAL MEAN OCEAN WATER TEMPERATURE IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 581.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO TOTAL HOURS OF SUNSHINE IN A MONTH IN

- FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 582.COOPER, M. I. PRECIPITATION (MAXIMUM) IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 583.COOPER, M. I. HYPOTHETICAL MINIMUM OCEAN WATER TEMPERATURE IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 584.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO SPECIES VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 585.COOPER, M. I. HYPOTHETICAL MINIMUM OCEAN WATER TEMPERATURES IS RELATED TO SURFACE AREA IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 586.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 587.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO LOWEST NUMBER OF DAILY HOURS OF SUNSHINE IN A DAY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 588.COOPER, M. I. HYPOTHETICAL MAXIMUM TEMPERATURE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 589.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 590.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 591.COOPER, M. I. HYPOTHETICAL MINIMUM TEMPERATURE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 592.COOPER, M. I. DURATION (AVERAGE MONTHLY) OF SUNLIGHT IS RELATED TO PRECIPITATION IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 593.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 594.COOPER, M. I. HYPOTHETICAL 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.).
- 595.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 596.COOPER, M. I. POSSIBILITY ABUNDANCE IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 597.COOPER, M. I. HIGHEST RELATIVE HUMIDITY IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 598.COOPER, M. I. DEFINED ABUNDANCE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 599.COOPER, M. I. POSSIBILITY MATING FREQUENCIES ARE RELATED TO MAXIMUM OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 600.COOPER, M. I. HYPOTHETICAL MINIMUM OCEAN WATER TEMPERATURES IS RELATED TO LENGTH, WIDTH, VOLUME AND PRECIPITATION IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 601.COOPER, M. I. DEFINED LENGTH IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 602.COOPER, M. I. DEFINED WIDTH IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 603.COOPER, M. I. Hypothetical coldest temperature is related to latitude in forest Red Millipedes Centrobolus Cook, 1897. (IN PREP.).
- 604.COOPER, M. I. PRECIPITATION (MINIMUM) IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897 RELATED TO EIGHT FACTORS. (IN PREP.).
- 605.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 606.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO SURFACE AREA IN

- FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 607.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO HIGHEST DURATION OF SUNSHINE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 608.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 609.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO VOLUME IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 610.COOPER, M. I. POSSIBLE EIGHT FACTORS RELATED TO AVERAGE TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 611.COOPER, M. I. DURATION OF SUNSHINE IS RELATED TO CURVED SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 612.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 613.COOPER, M. I. PRESSURE (AIR) IS RELATED TO SEVEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 614.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 615.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 616.COOPER, M. I. PRECIPITATION RELATED TO TEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 617.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 618.COOPER, M. I. HYPOTHETICAL MINIMUM TEMPERATURE IS RELATED TO SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 619.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO LOWEST DURATION OF SUNSHINE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 620.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF UMHLANGA ROCKS, SOUTH AFRICA. (IN PREP.).
- 621.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO MEAN OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 622.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO LOWEST DURATION OF SUNSHINE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 623.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF LOCHIEL, SOUTH AFRICA. (IN PREP.).
- 624.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO WIDTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 625.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO MEAN OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 626.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF MTUNZINI ON THE EAST COAST OF SOUTH AFRICA. (IN PREP.).
- 627.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO LENGTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 628.COOPER, M. I. DURATION (HIGHEST) OF SUNSHINE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 629.COOPER, M. I. POSSIBLE SIX FACTORS RELATED TO MAXIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 630.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO MOMENTS OF INERTIA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 631.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO MINIMUM OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 632.COOPER, M. I. PRECIPITATION ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 633.COOPER, M. I. HUMIDITY ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).

- 634.COOPER, M. I. DAYS RAINY ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 635.COOPER, M. I. PORT ST JOHNS (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 636.COOPER, M. I. HOURS (OF AVERAGE SUN) ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 637.COOPER, M. I. DEFINED CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF GQEBERHA, SOUTH AFRICA. (IN PREP.).
- 638.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF WINTERTON, SOUTH AFRICA. (IN PREP.).
- 639.COOPER, M. I. HOEDSPRUIT (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 640.COOPER, M. I. DEFINED CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF BOT RIVER, SOUTH AFRICA. (IN PREP.).
- 641.COOPER, M. I. PORT SHEPSTONE (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 642.COOPER, M. I. HLUHLUWE (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 643.COOPER, M. I. DEFINED CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF KNYSNA, SOUTH AFRICA. (IN PREP.).
- 644.COOPER, M. I. DURATION OF SUNSHINE (AVERAGE MONTHLY) IS RELATED TO ABUNDANCE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 645.COOPER, M. I. DAYS (MONTH WITH THE LOWEST NUMBER OF RAINY) IS RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 646.COOPER, M. I. DEFINED AVERAGE TEMPERATURE ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 647.COOPER, M. I. HYPOTHETICAL MAXIMUM TEMPERATURE ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 648.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO HOURS OF SUNSHINE THROUGHOUT THE YEAR IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 649.COOPER, M. I. POSSIBLE MINIMUM TEMPERATURE ACROSS THE DISTRIBUTION OF CENTROBOLUS IN SOUTHERN AFRICA. (IN PREP.).
- 650.COOPER, M. I. DAILY HOURS OF SUNSHINE (HIGHEST NUMBER) IN A MONTH IS RELATED TO MEAN OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 651.COOPER, M. I. HYPOTHETICAL AVERAGE TEMPERATURE VARIATION IS RELATED TO LENGTH AND SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 652.COOPER, M. I. POSSIBILITY MATING FREQUENCIES ARE RELATED TO MEAN OCEAN WATER TEMPERATURES IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 653.COOPER, M. I. PRECIPITATION (MAXIMUM) IS RELATED TO AIR PRESSURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 654.COOPER, M. I. HYPOTHETICAL ALTITUDE IS RELATED TO LATITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 655.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF VRYHEID, SOUTH AFRICA. (IN PREP.).
- 656.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO MEAN OCEAN WATER TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 657.COOPER, M. I. DAILY HOURS OF SUNSHINE IN A DAY (LOWEST NUMBER) IS RELATED TO AT LEAST EIGHTEEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 658.COOPER, M. I. DIFFERENCES BETWEEN THE SEXES OF A PAIR OF SYMPATRIC FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897 IN CURVED SURFACE AREAS. (IN PREP.).
- 659.COOPER, M. I. HIGHEST NUMBER OF RAINY DAYS (IN A MONTH) IS RELATED TO PRESSURE (AIR) IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 660.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO HIGHEST OCEAN WATER TEMPERATURES NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 661.COOPER, M. I. DIFFERENCES IN VOLUMES BETWEEN THE SEXES OF A PAIR OF

- SYMPATRIC FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 662.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IN A DAY IS RELATED TO ABUNDANCE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 663.COOPER, M. I. PRECIPITATION (MAXIMUM) IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 664.COOPER, M. I. DURATION OF SUNSHINE (LOWEST) IS RELATED TO ABUNDANCE IN A MONTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 665.COOPER, M. I. HYPOTHETICAL OCEAN WATER TEMPERATURES IS RELATED TO ABUNDANCE IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 666.COOPER, M. I. PRECIPITATION (MINIMUM) IS RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 667.COOPER, M. I. HIGHEST RELATIVE HUMIDITY, HIGHEST OCEAN WATER TEMPERATURES, MOMENTS OF INERTIA AND STERNITE PROMINENCE IS RELATED TO LOWEST RELATIVE HUMIDITY IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 668.COOPER, M. I. PACHYBOLID LENGTH IS MARGINALLY RELATED TO ALTITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 669.COOPER, M. I. HIGHEST TOTAL HOURS OF SUNSHINE IN A MONTH ARE RELATED TO TWELVE FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 670.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF GANS BAY, SOUTH AFRICA. (IN PREP.).
- 671.COOPER, M. I. DAYS (MONTH WITH THE LOWEST NUMBER OF RAINY) IS RELATED TO AT LEAST FOUR FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 672.COOPER, M. I. HOURS OF SUNSHINE THROUGHOUT THE YEAR IS RELATED TO AT LEAST TEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 673.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF RICHARDS BAY, SOUTH AFRICA. (IN PREP.).
- 674.COOPER, M. I. DURATION OF SUNLIGHT (AVERAGE MONTHLY) IS RELATED TO AT LEAST FOURTEEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 675.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO AT LEAST FIFTEEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 676.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF GORONGOSA, MOZAMBIQUE. (IN PREP.).
- 677.COOPER, M. I. DURATION OF SUNSHINE (LOWEST) IS RELATED TO AT LEAST TEN FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 678.COOPER, M. I. HIGHEST, LOWEST AND MEAN OCEAN WATER TEMPERATURES IS RELATED TO VOLUME IN COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 679.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF SCOTTBURGH, SOUTH AFRICA. (IN PREP.).
- 680.COOPER, M. I. DAYS (MONTH WITH THE HIGHEST NUMBER OF RAINY) IS RELATED TO FIVE FACTORS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 681.COOPER, M. I. HIGHEST OCEAN WATER TEMPERATURES ARE RELATED TO LATITUDE AND LONGITUDE NEAR COASTAL FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 682.COOPER, M. I. PIETERMARITZBURG (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 683.COOPER, M. I. DURBAN (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 684.COOPER, M. I. HOUT BAY (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 685.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF CAPE TOWN, SOUTH AFRICA. (IN PREP.).
- 686.COOPER, M. I. DE HOOP (SOUTH AFRICA) CLIMATE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS. (IN PREP.).
- 687.COOPER, M. I. HYPOTHETICAL CORRELATION COEFFICIENT MATRIX FOR

- SEVEN FACTORS IN THE CLIMATE OF KIRKWOOD, SOUTH AFRICA. (IN PREP.).
- 688.COOPER, M. I. POSSIBLE CORRELATION COEFFICIENT MATRIX FOR SEVEN FACTORS IN THE CLIMATE OF KEI ROAD, SOUTH AFRICA. (IN PREP.).
- 689.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO MASS IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 690.COOPER, M. I. DURATION (HIGHEST) OF SUNSHINE IS RELATED TO CURVED SURFACE AREA IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 691.COOPER, M. I. POSSIBLE SEVEN FACTORS RELATED TO MINIMUM TEMPERATURE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 692.COOPER, M. I. HIGHEST DURATION OF SUNSHINE IS RELATED TO LONGITUDE IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 693.COOPER, M. I. DURATION (LOWEST) OF SUNSHINE IS RELATED TO WIDTH IN FOREST RED MILLIPEDES CENTROBOLUS COOK, 1897. (IN PREP.).
- 694.COOPER, M. I. LATITUDE IS RELATED TO LONGITUDE IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 695.COOPER, M. I. AIR PRESSURE IS RELATED TO ALTITUDE IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 696.COOPER, M. I. TEMPERATURE IS RELATED TO LONGITUDE IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 697.COOPER, M. I. TEMPERATURE IS RELATED TO LATITUDE IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 698.COOPER, M. I. LONGITUDINAL SPECIES RICHNESS IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 699.COOPER, M. I. LATITUDINAL SPECIES RICHNESS IS RELATED TO LONGITUDINAL SPECIES RICHNESS IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 700.COOPER, M. I. LONGITUDINAL SPECIES RICHNESS IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN VAALOGONPIDAE VERHOEFF, 1940A. (IN PREP.).
- 701.COOPER, M. I. AIR PRESSURE IS MARGINALLY RELATED TO TEMPERATURE IN SOUTHERN AFRICAN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 702.COOPER, M. I. LATITUDE IS RELATED TO LONGITUDE IN SOUTHERN AFRICAN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 703.COOPER, M. I. LATITUDE IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 704.COOPER, M. I. LATITUDINAL SPECIES RICHNESS IN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 705.COOPER, M. I. LONGITUDINAL SPECIES RICHNESS IN SPIROSTREPTIDAE POCOCK, 1894.
- 706.COOPER, M. I. LATITUDINAL SPECIES RICHNESS IS MARGINALLY RELATED TO AIR PRESSURE IN SOUTHERN AFRICAN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 707.COOPER, M. I. LATITUDINAL SPECIES RICHNESS IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN SPIROSTREPTIDAE POCOCK, 1894. (IN PREP.).
- 708.COOPER, M. I. AIR PRESSURE IS RELATED TO ELEVATION IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 709.COOPER, M. I. AIR PRESSURE IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 710.COOPER, M. I. ALTITUDE IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 711.COOPER, M. I. LATITUDE IS RELATED TO TEMPERATURE IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 712.COOPER, M. I. LATITUDE IS RELATED TO ALTITUDE IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 713.COOPER, M. I. LATITUDINAL SPECIES RICHNESS IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
- 714.COOPER, M. I. LONGITUDINAL SPECIES RICHNESS IN SOUTHERN AFRICAN ODONTOPYGIDAE ATTEMS, 1909C. (IN PREP.).
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- 720.COOPER, M. I. AIR PRESSURE IS RELATED TO ALTITUDE IN SOUTHERN AFRICAN PENCILLATA LATREILLE, 1831. (IN PREP.).
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29.3427559, 166	32.9093949, 230
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30.0631766, 230	26.9459046, 166
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30.3763800, 230	30.3876172, 230
30.3638491, 230	28.5127226, 166
30.2064314, 230	30.5691454, 230
29.8043918, 166	31.4151841, 230
32.7312521, 230	30.3876172, 230
23.8252611, 47	29.5074648, 166
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25.3653781, 166	34.7865532, 230
32.2692818, 230	29.5074648, 166
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29.5074648, 166	28.0331426, 166
32.2657359, 230	28.2696157, 166
30.8081968, 230	16.6536181, 78
30.6788737, 230	32.7397003, 230
28.0665227, 166	30.3876172, 230
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29.2952157, 166	31.9493888, 230
30.3316804, 230	30.8138494, 230
25.6095713, 166	31.5824927, 230
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30.1587891, 230	30.9672935, 230
27.7099673, 166	27.5558242, 166
29.5074648, 166	30.2685784, 230
30.2685784, 230	29.9965584, 166
30.2685784, 230	28.2696157, 166
30.6788737, 230	29.6897003, 166
30.9085514, 230	29.3802830, 166
32.2692818, 230	31.8987632, 230
29.3802830, 166	30.0293880, 230
18.3264220, 78	30.8552733, 230
28.0331426, 166	30.6788737, 230
30.2685784, 230	28.6135892, 166
30.8552733, 230	30.1879610, 230
30.2685784, 230	26.5052415, 166
32.9093949, 230	31.5521653, 230
32.4036812, 230	32.7043099, 230
32.2692818, 230	16.9798252, 78
29.3202559, 166	32.2387125, 230
30.7195540, 230	Appendix 2. Longitude in southern African Diplopoda de Blainville in Gervais, 1844.
31.9765755, 230	18.860151
29.5074648, 166	31.5521653
28.3079497, 166	

29.3202559	18.3491447
31.5521653	24.4195894
30.8552733	18.3491447
30.2685784	29.3427559
18.4063	32.2657359
27.8721	30.8081968
32.5887	30.6788737
28.2184	28.0665227
18.4031	9.1921566
23.0479	29.2952157
26.3354	30.3316804
19.1510	25.6095713
18.4309	31.2352976
32.5887	30.1587891
25.6590	27.7099673
31.0970	29.5074648
23.0479	30.2685784
23.0479	30.2685784
18.4030	30.6788737
29.90319	30.9085514
29.5483	32.2692818
25.7438	29.380283
25.6590	18.326422
25.6590	28.0331426
18.4598	30.2685784
32.6709	30.8552733
31.8923	30.2685784
28.9475	32.9093949
40.0250	32.4036812
31.3157	32.2692818
32.8667	29.3202559
30.0000	30.719554
19.2345	31.9765755
28.9276	29.5074648
28.2336	28.3079497
25.1970	30.8552733
23.0479	30.2685784
30.8830	31.3541272
26.950	31.9239303
28.0000	29.5074648
32.7000	24.6722384
23.8866	27.5271555
31.2583	31.2124781
25.6667	32.9093949
25.8167	27.4687755
29.0833	30.9447884
23.0479	26.9459046
23.0479	30.3876172
28.9276	30.3876172
18.4746	28.5127226
18.3830	30.5691454
23.8866	31.4151841
18.4030	30.3876172
31.6860	29.5074648
18.9833	28.4977591
19.2312634	30.5133952
23.001217	34.7865532

29.5074648	32.650351
30.37638	32.33626
27.2522338	29.3650
28.0331426	31.05337
28.2696157	20.0559500
16.6536181	31.0292
32.7397003	25.5833
30.3876172	27.5571765
30.8762433	31.0292
31.9493888	30.8897003
30.8138494	28.497759
31.5824927	30.45499
31.3063673	26.3505336
30.9672935	31.2564648
27.5558242	27.7099673
30.2685784	31.8610315
29.9965584	25.2005475
28.2696157	24.6727
29.6897003	30.6417856
29.380283	35.529562
31.8987632	29.5630402
30.029388	27.7099673
30.8552733	32.5276499
30.6788737	30.420577
28.613589	26.5119764
30.187961	14.5563797
26.5052415	30.9085514
31.5521653	35.0129983
32.7043099	27.2593708
16.9798252	26.4368659
32.2387125	32.41667
17.4717988	29.5074648
17.1419763	25.2705608
17.5897003	35.529562
30.4205777	32.0744
17.4717988	21.0449928
19.1812367	31.8461716
18.357417	32.1884393
17.2625282	27.0643443
16.6536181	18.4152632
28.0437236	19.2312634
27.8644288	31.0074407
30.5133952	32.6278312
25.9114009	32.41667
27.998825	26.0254775
30.5169777	24.1200868
32.2692818	31.8040572
16.8407793	27.7099673
23.1603357	14.4914288
19.3421082	31.4614805
24.487237	22.7532324
29.495959	24.6722384
24.7105575	30.9744574
31.2563673	15.0380408
32.41667	25.8061389
33.5867	34.0515658
31.016586	31.8829943

36.8260048	32.9876
31.2270238	29.5448
18.8831845	34.0700
18.326422	40.7358
21.161354	33.1553
18.7621855	15.1908
13.6145711	23.89070
29.5391107	21.85686
16.1140463	19.42650
31.2563673	18.40983
46.9486523	27.95498
16.1471557	18.40626
30.4234429	18.40983
30.855273	18.45829
29.3202559	18.40626
31.1091447	29.28864
30.2685784	19.91991
23.001217	20.44171
31.0213629	19.44852
30.7856	19.31095
26.5328	26.93800
30.6500	23.89070
20.0000	23.89070
31.0894	26.93800
24.6727	32.4166700
31.4000	33.5867000
18.3500	31.0165860
19.3500	32.6503510
24.6727	32.3362600
32.0377	29.3650000
33.1725	31.0533700
32.3167	20.0559500
31.0292	31.0292000
30.3928	25.5833000
25.8333	27.5571765
35.3833	31.0292000
25.61494	30.8897003
23.8934	28.4977590
20.0000	30.4549900
18.34347	26.3505336
28.4319	31.2564648
32.0377	27.7099673
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32.4167	25.2005475
29.9947	24.6727000
32.2833	30.6417856
25.3961	35.5295620
18.9833	29.5630402
28.4319	27.7099673
25.0630	32.5276499
28.62377	30.4205770
32.41667	26.5119764
25.0630	14.5563797
29.5448	30.9085514
18.4212	35.0129983
30.8667	27.2593708
29.3235	26.4368659

32.4166700	26.0584155
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35.5295620	32.2692818
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32.1884393	25.3132857
27.0643443	29.6429778
18.4152632	24.7105575
19.2312634	27.9928912
31.0074407	32.7305161
32.6278312	31.5521653
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17.5897003	17.6934216
30.4205777	35.9096314
17.4717988	17.6934216
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17.2625282	31.7772336
16.6536181	29.7377404
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27.8644288	33.8758147
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27.998825	26.8827249
30.5169777	30.2685784
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19.3421082	30.7333960
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18.8648156	34.7865532
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