AFRICAN INSTITUTE FOR MATHEMATICAL SCIENCES (AIMS RWANDA, KIGALI)

Name: Kamau Gladys Muthoni Assignment Number: 2 Course: Research Methods in Climate Science: FIGURES Date: January 15, 2020

1 Time Series: Trended TMPD

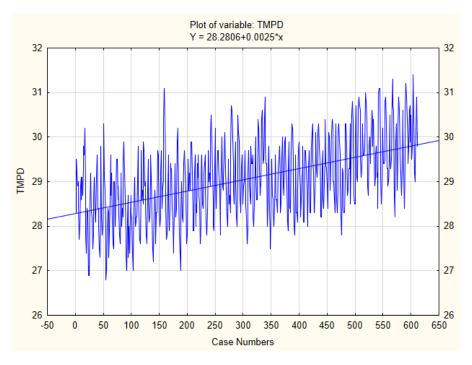


Figure 1

2 Time Series: Detrended TMPD

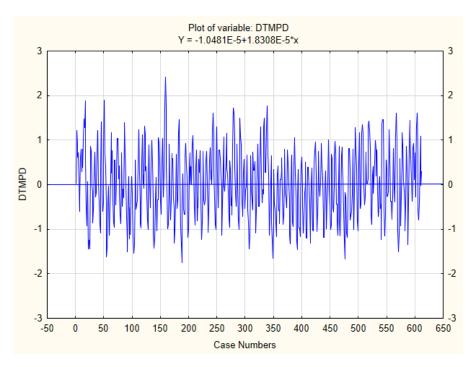


Figure 2

3 Time Series PRED

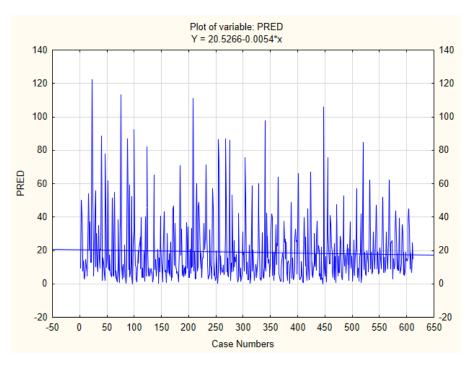


Figure 3

4 Autocorrelation: Detrended TMPD

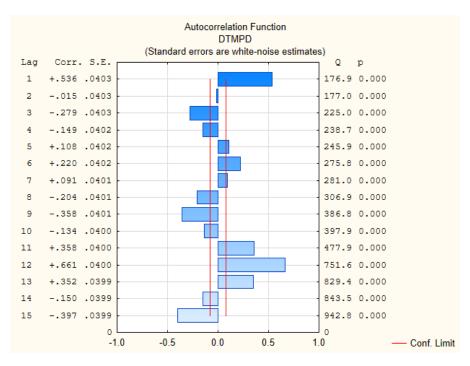


Figure 4

5 Autocorrelation: PRED

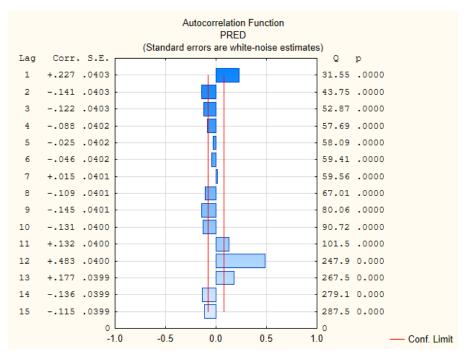


Figure 5

6 CrossCorrelation: DTMPD,PRED

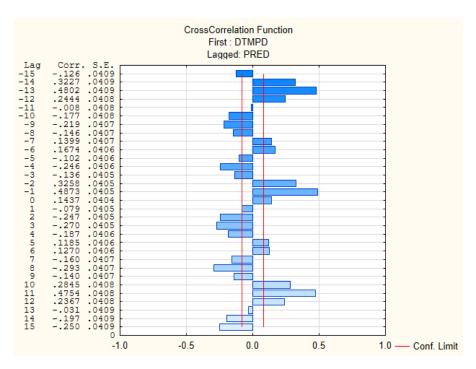


Figure 6

7 Wavelet Analysis

7.1 Wavelet

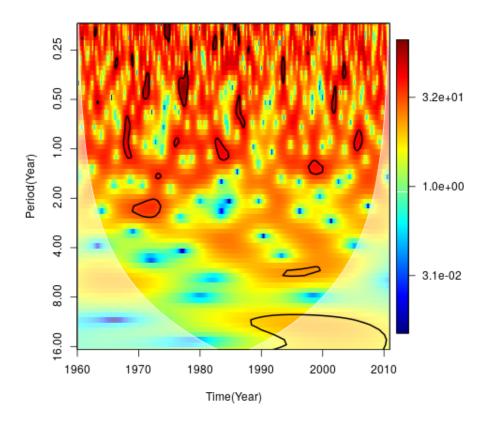


Figure 7

7.2 Detrended Wavelet

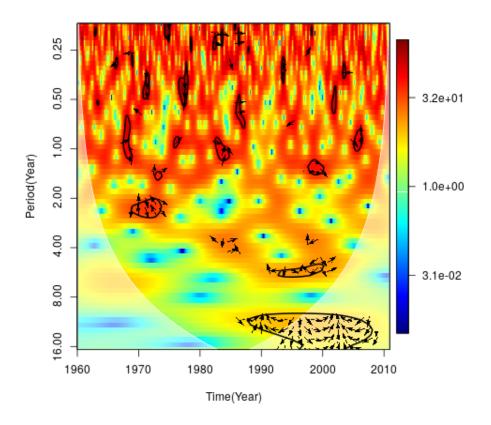


Figure 8

7.3 Coherence Wavelet

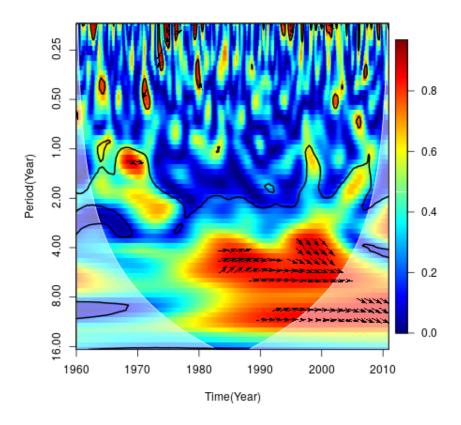


Figure 9

7.4 Detrended Coherence Wavelet

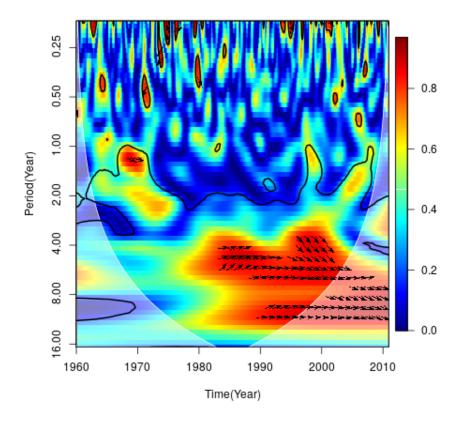


Figure 10