

Fig. 2. Data flow in the methodology: from the data source to the complex network model.

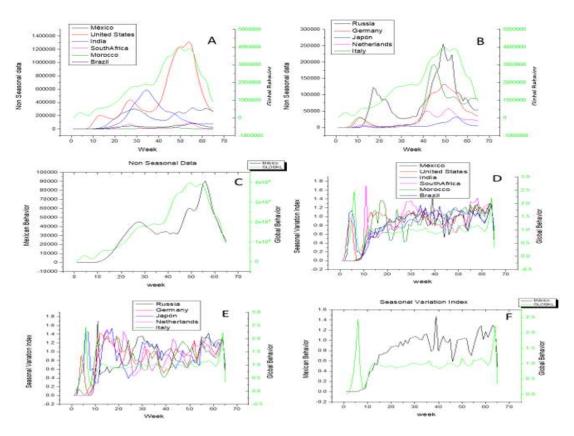


Fig. 3. Comparison of seasonality and non-seasonality indices of data from different countries. Data obtained by John Hopkins repository.

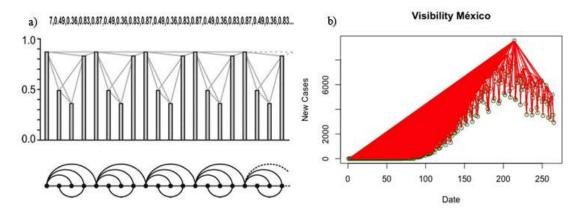


Fig. 4a. Example Visibility algorithm. 4b. Visibility algorithm for Mexico.

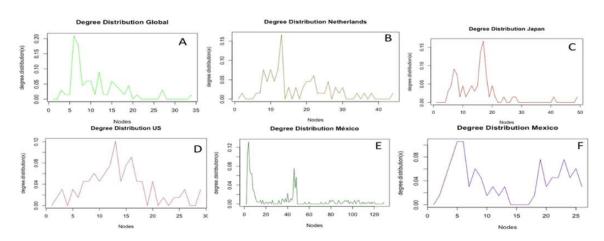


Fig. 6. Comparison of Degree distribution for different countries and periods.

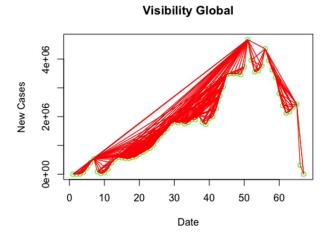


Fig. 7. Visibility Algorithm for Global Time Series.

### **Degree Distribution Global**

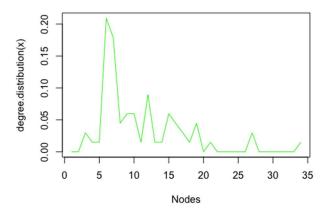


Fig. 8. Degree Distribution for Global behavior.

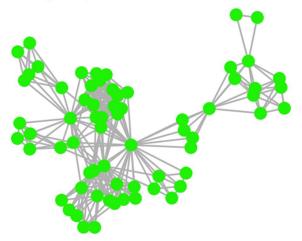


Fig. 9. Global Network.

# Visibility South Africa

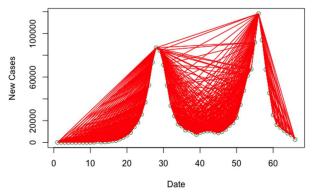


Fig. 10. Visibility Algorithm for South Africa Time Series

#### **Degree Distribution South Africa**

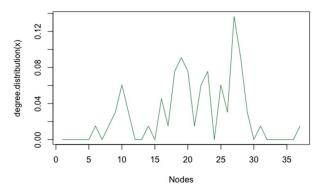


Fig. 11. Degree Distribution for South Africa behavior

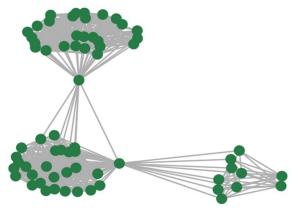


Fig. 12. South Africa Network

# 

Fig. 13. Visibility Algorithm for Japan Time Series

#### **Degree Distribution Japan**

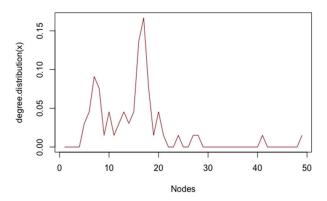


Fig. 14. Degree Distribution for Japan behavior

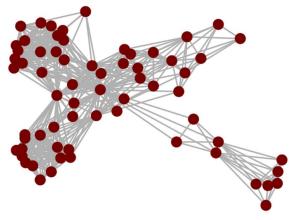


Fig. 15.. Japan Network

### Visibility Netherlands

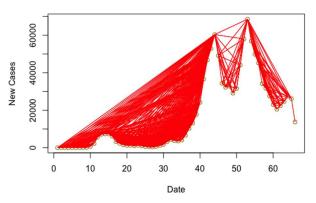


Fig. 16. Visibility Algorithm for Netherlands Time Series

### **Degree Distribution Netherlands**

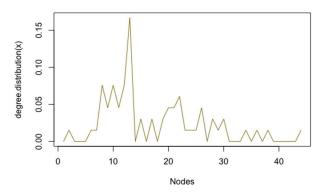


Fig. 17. Degree Distribution for Netherlands behavior

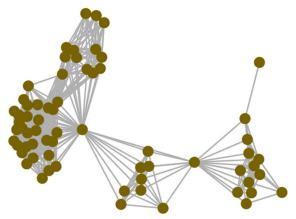


Fig. 18. Netherlands Network

### Visibility Russia

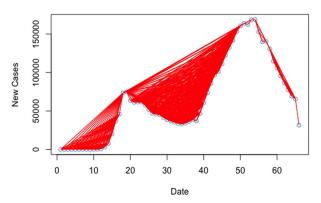


Fig. 19. Visibility Algorithm for Russia Time Series

#### Degree Distribution Russia

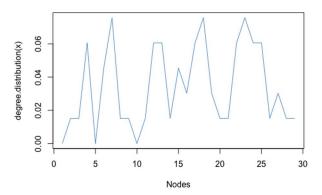


Fig. 20. Degree Distribution for Russia behavior

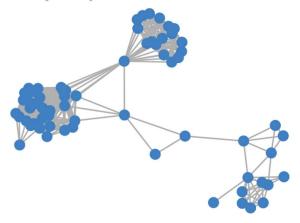


Fig. 21. Russia Network

#### **Visibility Morocco**

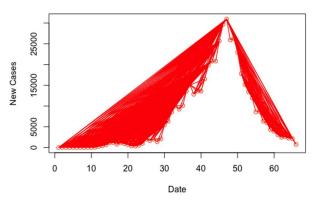


Fig. 22. Visibility Algorithm for Morocco Time Series

### **Degree Distribution Morocco**

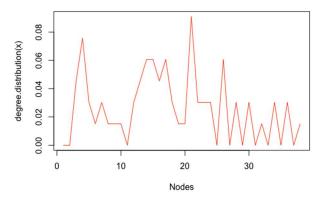


Fig. 23. Degree Distribution for Morocco behavior

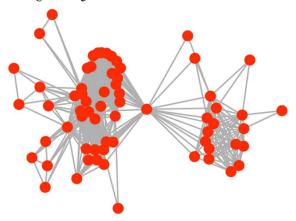


Fig. 24. Morocco Network

### Visibility India

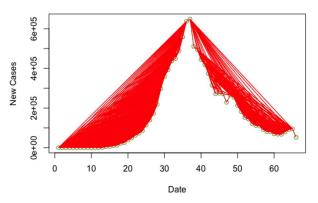


Fig. 25. Visibility Algorithm for India Time Series

### **Degree Distribution India**

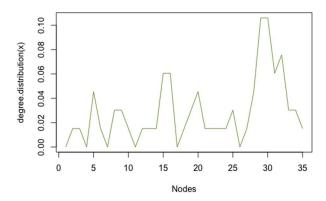


Fig. 26. Degree Distribution for India behavior

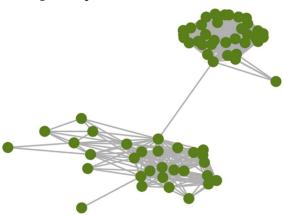


Fig. 27. India Network

# Visibility Brazil

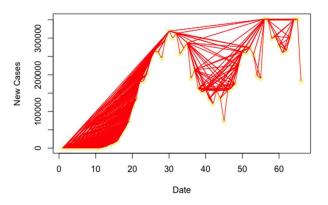


Fig. 28. Visibility Algorithm for Brazil Time Series

#### Degree Distribution Brazil

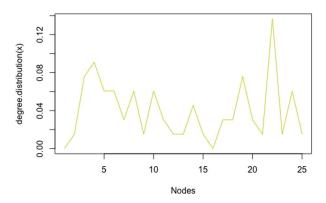


Fig. 29. Degree Distribution for Brazil behavior

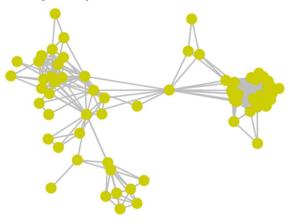


Fig. 30. Brazil Network

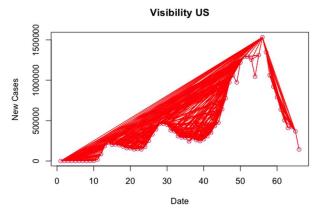


Fig. 31. Visibility Algorithm for US Time Series

### Degree Distribution US

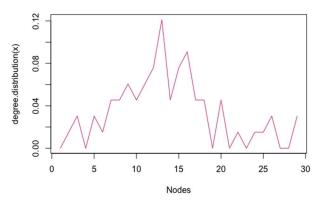


Fig. 32. Degree Distribution for US behavior

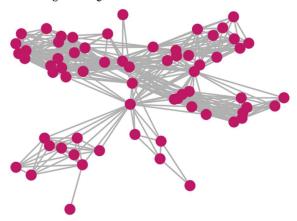


Fig. 33. US Network

# Visibility Italy

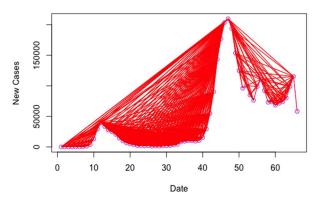


Fig. 34. Visibility Algorithm for Italy Time Series

### Degree Distribution Italy

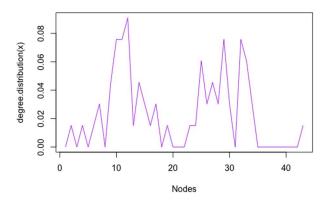


Fig. 35. Degree Distribution for Italy behavior

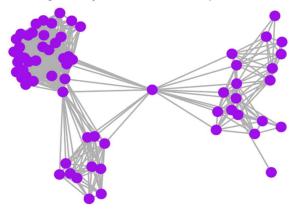


Fig. 36. Italy Network.

# **Visibility Mexico**

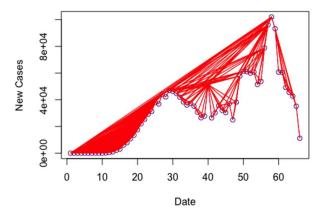


Fig. 37. Visibility Algorithm for Mexico Time Series

### **Degree Distribution Mexico**

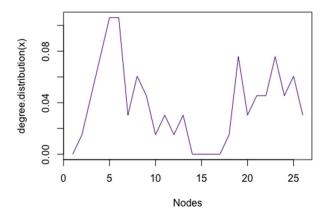


Fig. 38. Degree Distribution for Mexico behavior

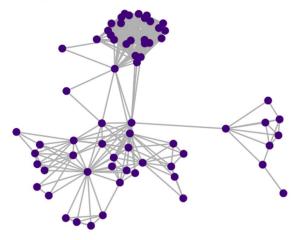


Fig. 39. Mexico Network

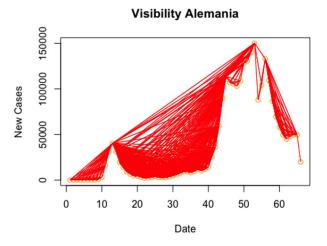


Fig. 40. Visibility Algorithm for Germany Time Series

# Degree Distribution Alemania

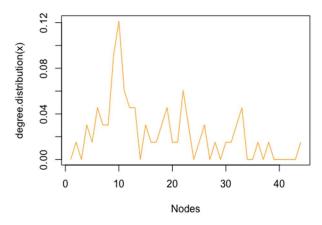


Fig. 41. Degree Distribution for Germany behavior

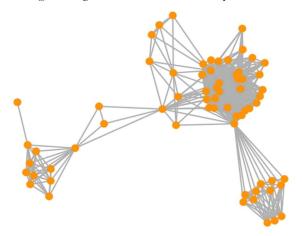


Fig. 42. Germany Network

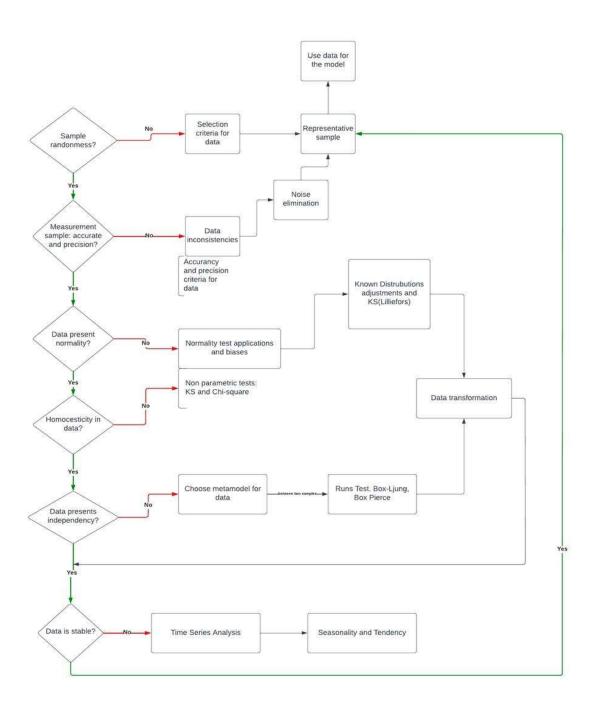


Fig. 43. Flow chart of statistical tests applied to New Cases of Covid-19.