Appendix

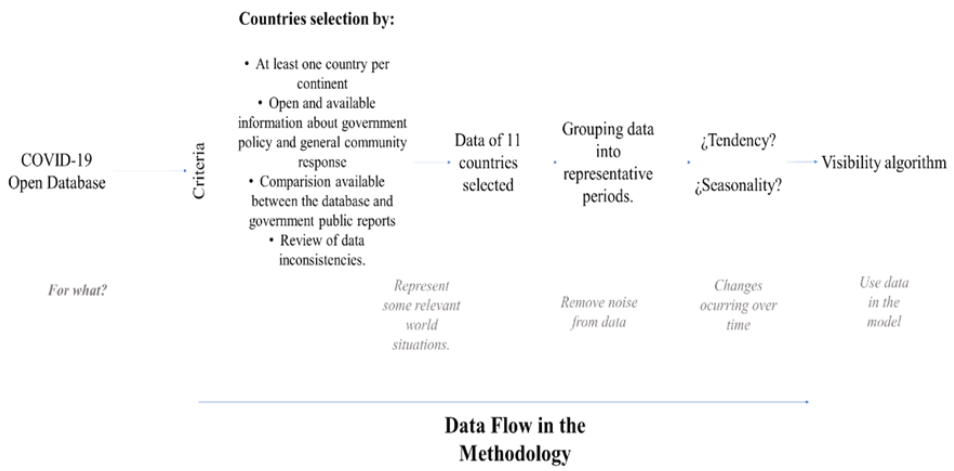

Fig. 1. Data flow in the methodology: from the data source to the complex network model.

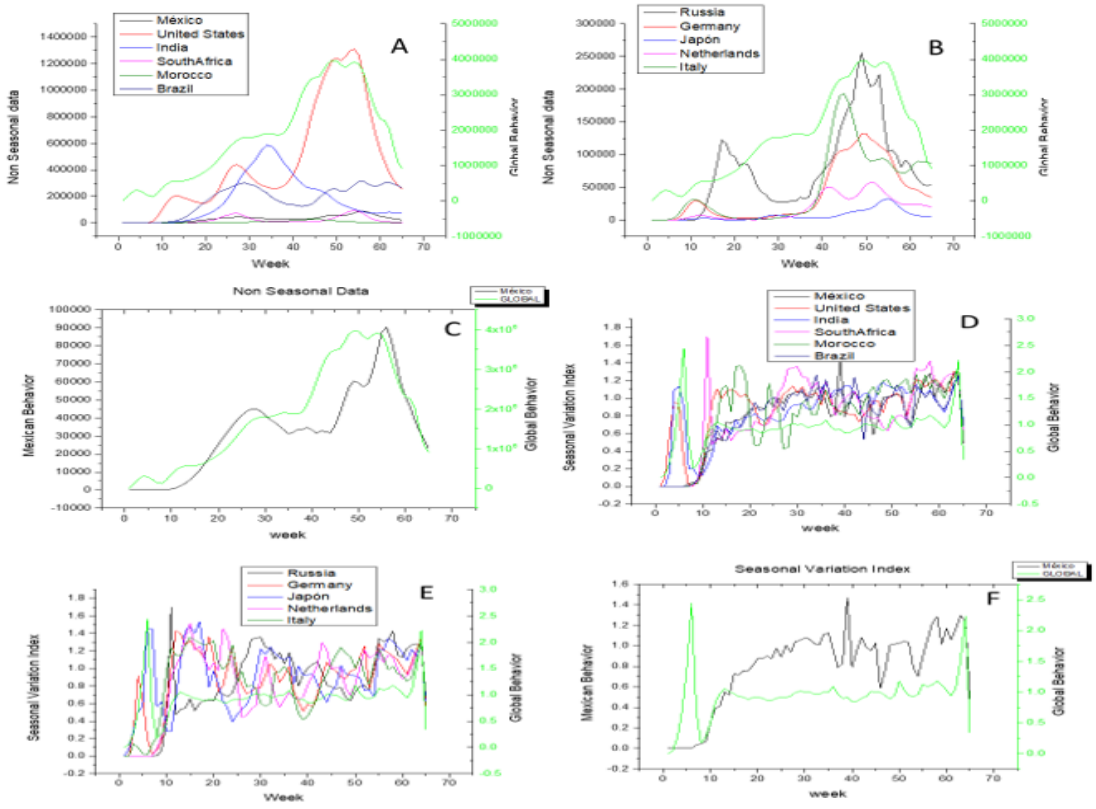

Fig. 2. Comparison of seasonality and non-seasonality indices of data from different countries. Data obtained by John Hopkins repository.

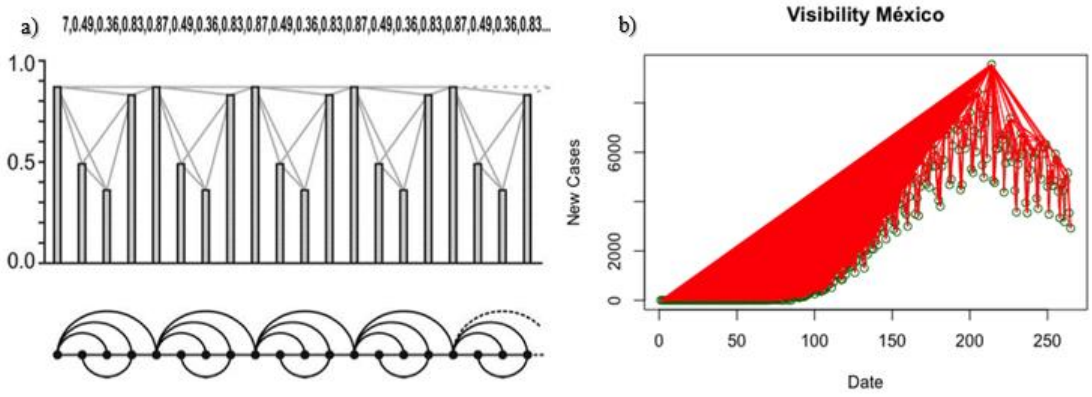

Fig. 3a. Example Visibility algorithm. **4b.** Visibility algorithm for Mexico.

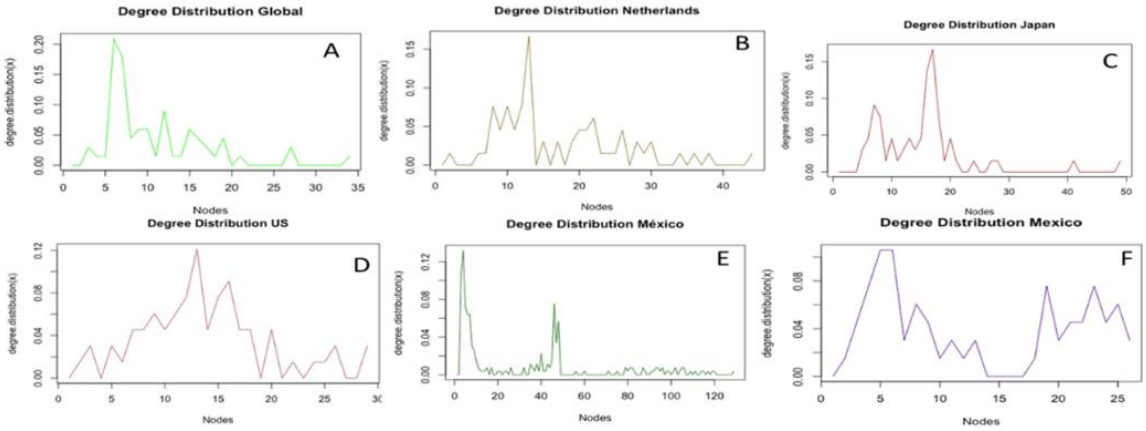

Fig. 4. Comparison of Degree distribution for different countries and periods.

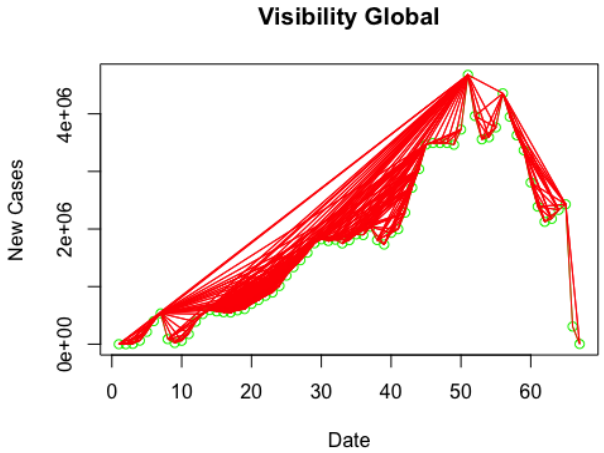

FIG. 10. Visibility Algorithm for Global Time Series

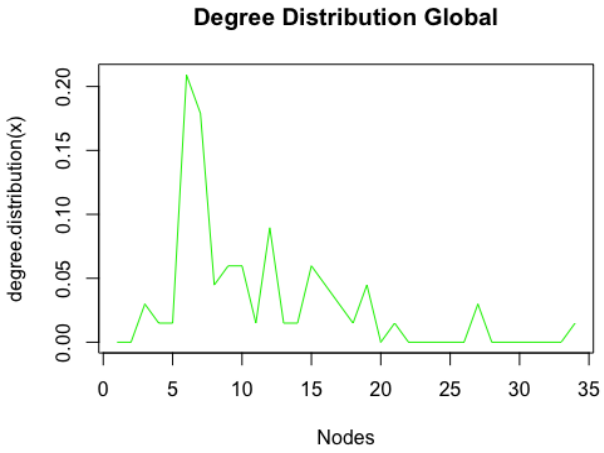

FIG. 11. Degree Distribution for Global behavior.

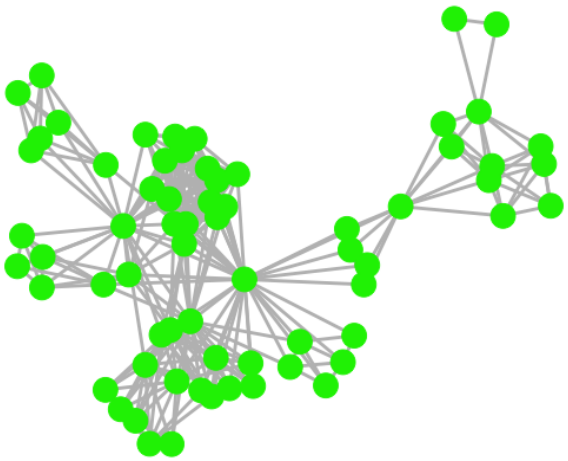

FIG. 12. Global Network

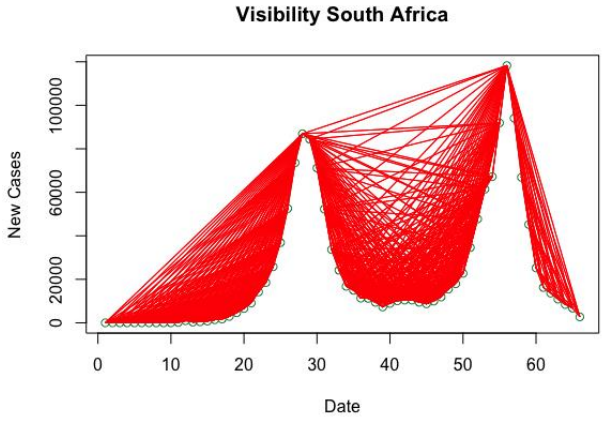

FIG. 13. Visibility Algorithm for South Africa Time Series

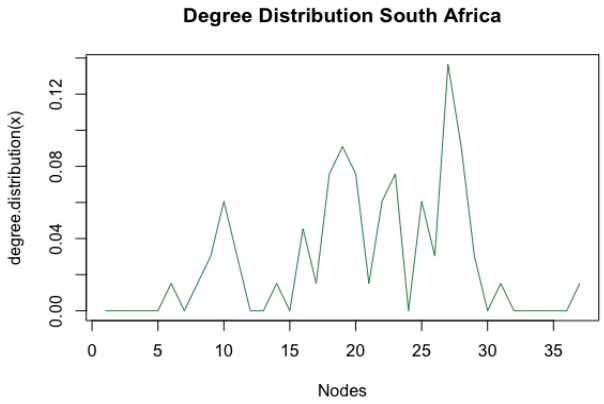

FIG. 14. Degree Distribution for South Africa behavior

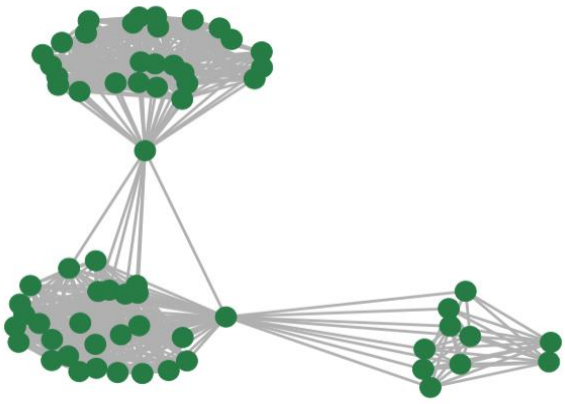

FIG. 15. South Africa Network

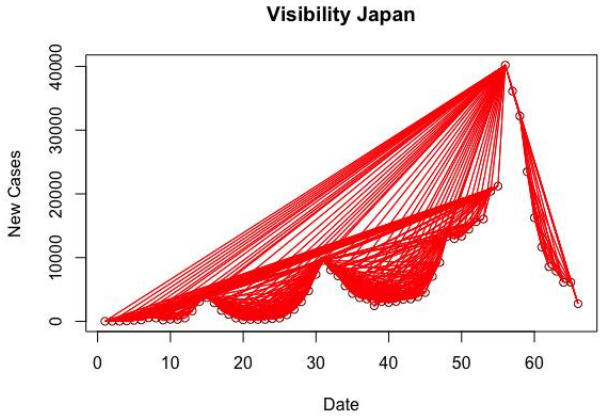

FIG. 16. Visibility Algorithm for Japan Time Series

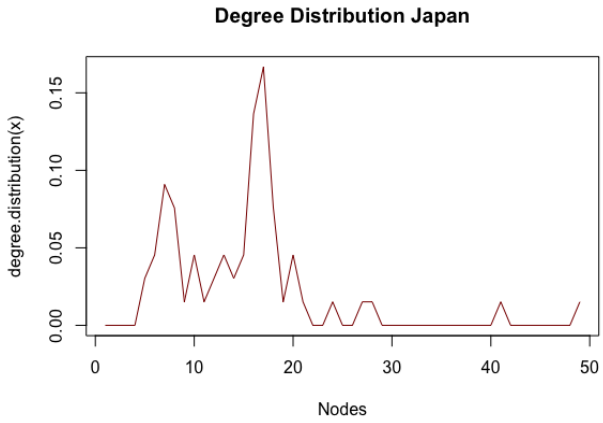

FIG. 17. Degree Distribution for Japan behavior

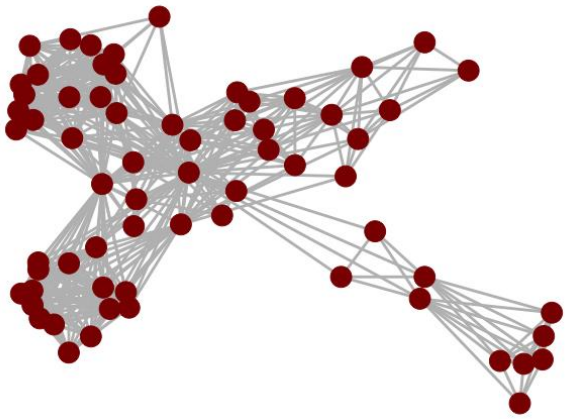

FIG. 18. Japan Network

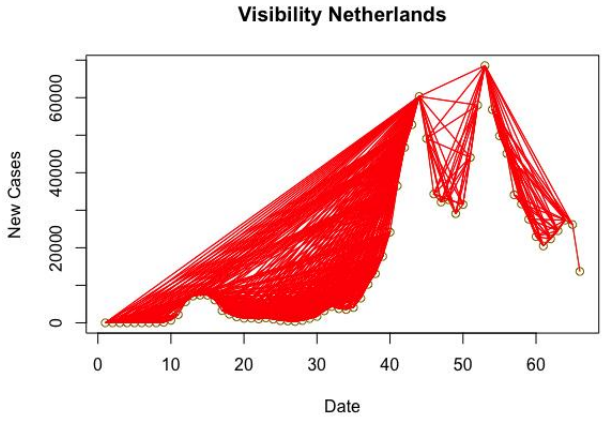

FIG. 19. Visibility Algorithm for Netherlands Time Series

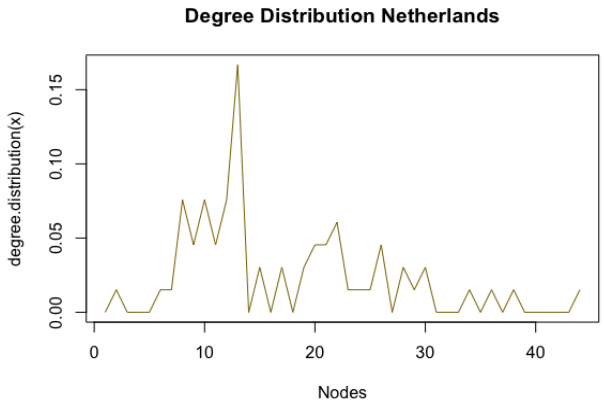

FIG. 20. Degree Distribution for Netherlands behavior

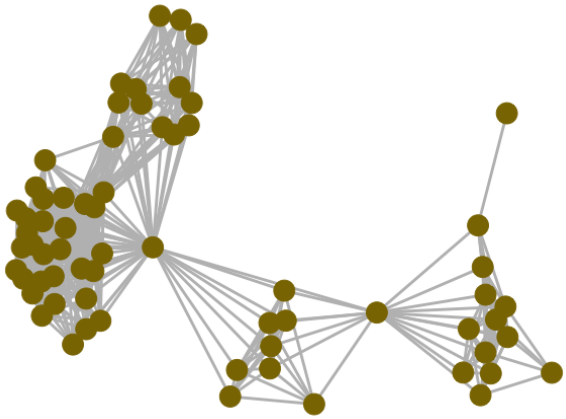

FIG. 21. Netherlands Network

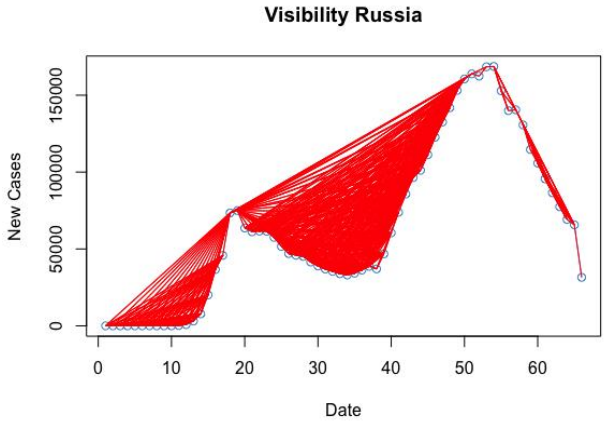

FIG. 22. Visibility Algorithm for Russia Time Series

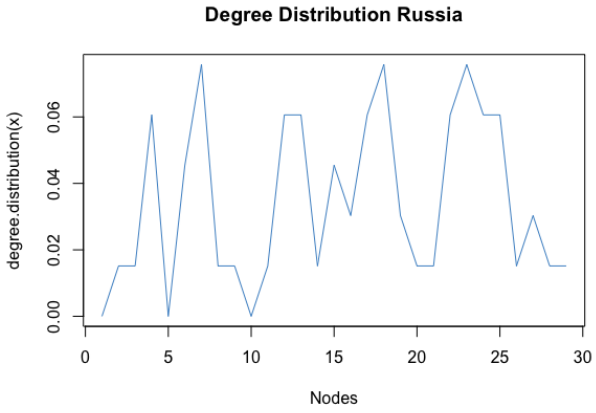

FIG. 23. Degree Distribution for Russia behavior

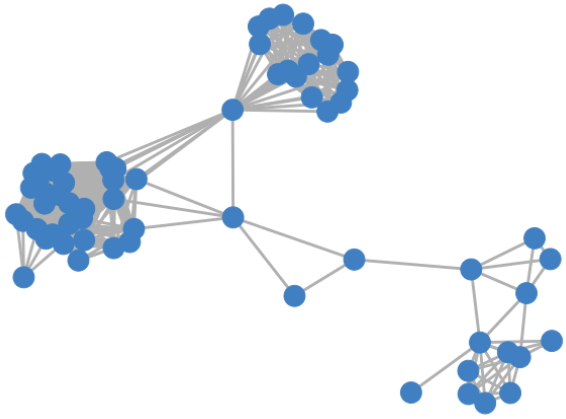

FIG. 24. Russia Network

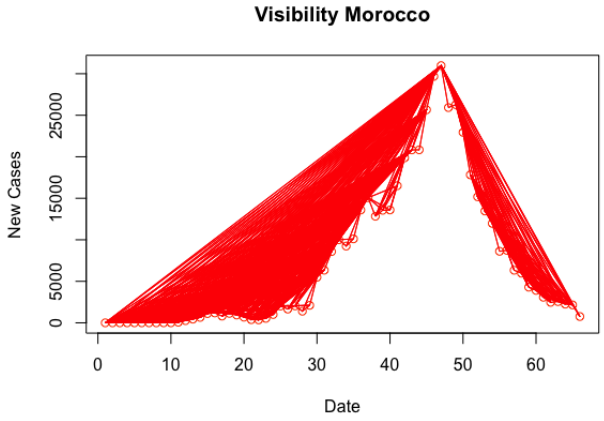

FIG. 25. Visibility Algorithm for Morocco Time Series

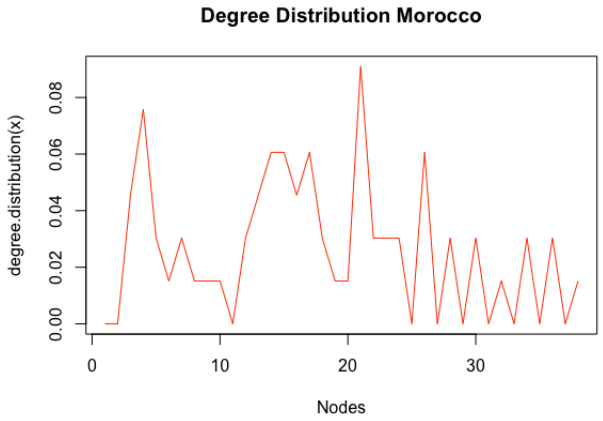

FIG. 26. Degree Distribution for Morocco behavior

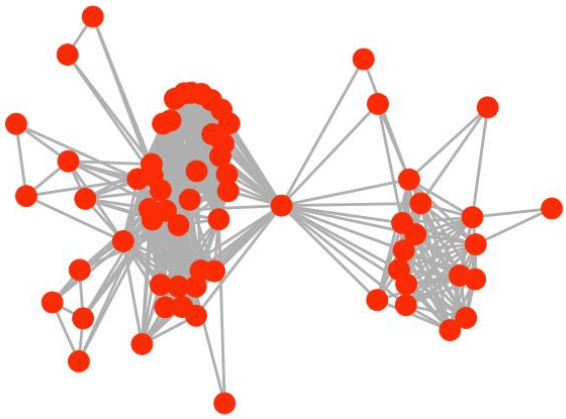

FIG. 27. Morocco Network

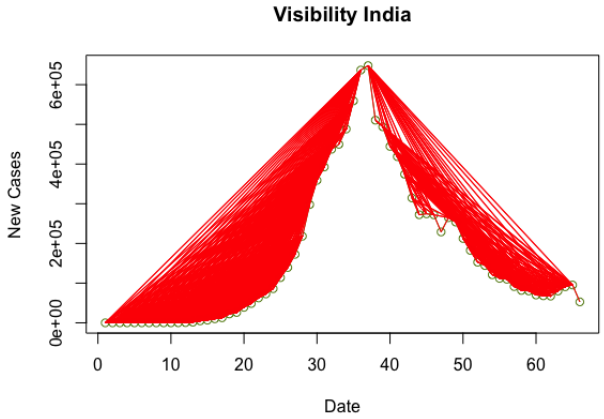

FIG. 28. Visibility Algorithm for India Time Series

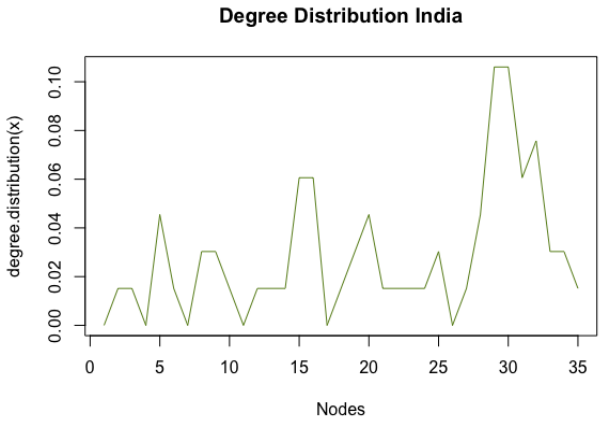

FIG. 29. Degree Distribution for India behavior

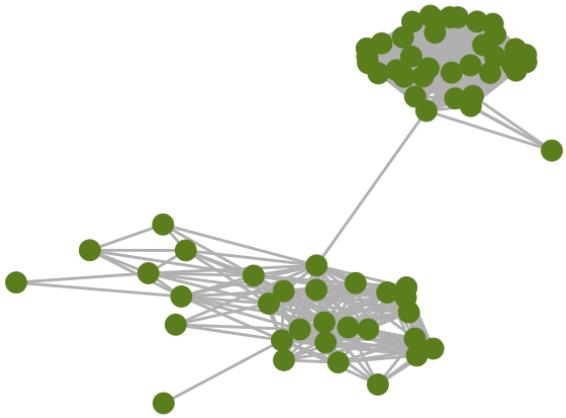

FIG. 30. India Network

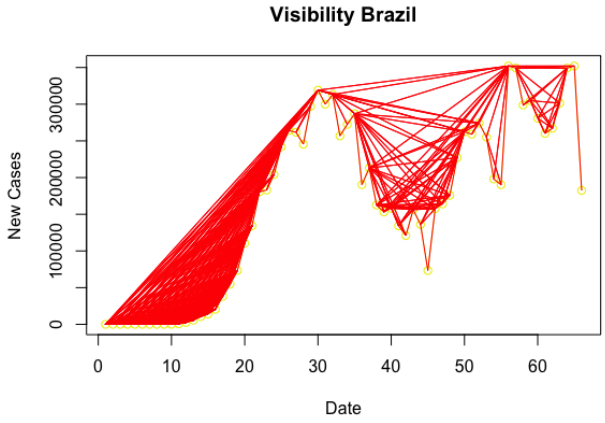

FIG. 31. Visibility Algorithm for Brazil Time Series

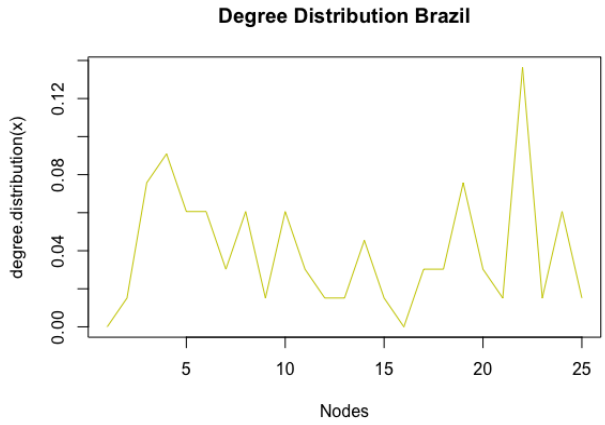

FIG.32. Degree Distribution for Brazil behavior

FIG. 33. Brazil Network

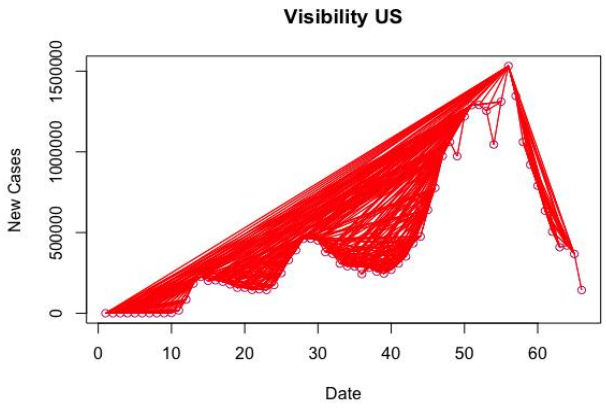

FIG. 34. Visibility Algorithm for US Time Series

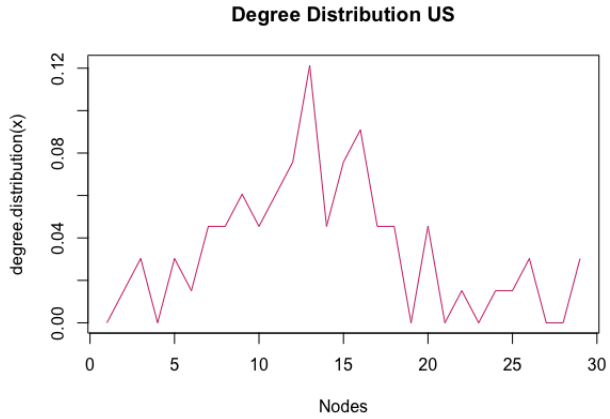

FIG. 35. Degree Distribution for US behavior

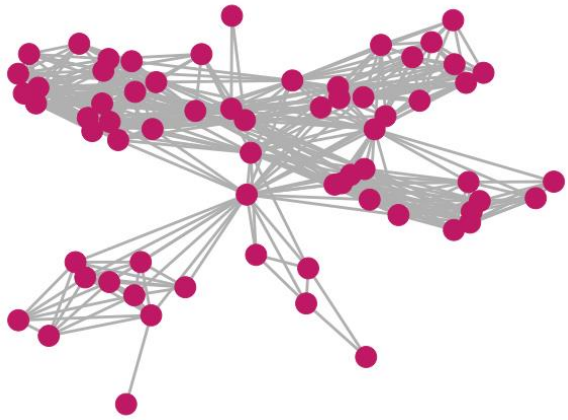

FIG. 36. US Network

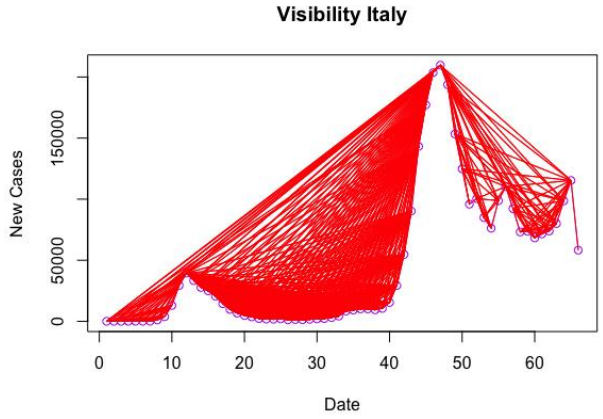

FIG. 37. Visibility Algorithm for Italy Time Series

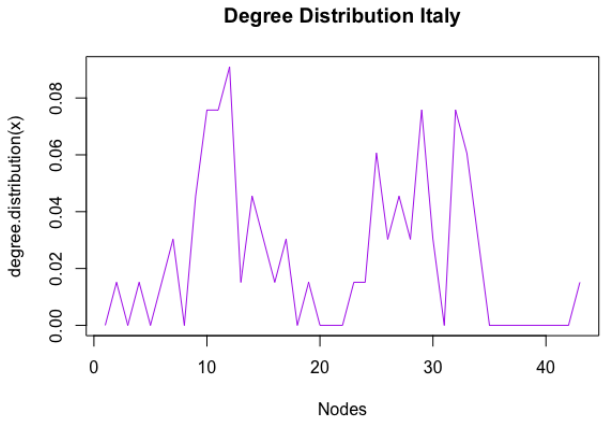

FIG. 38. Degree Distribution for Italy behavior

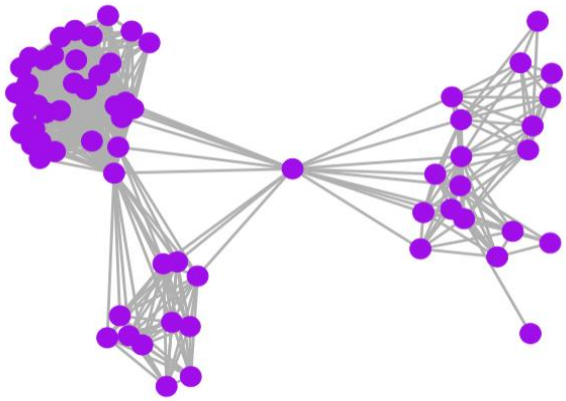

FIG. 39. Italy Network.

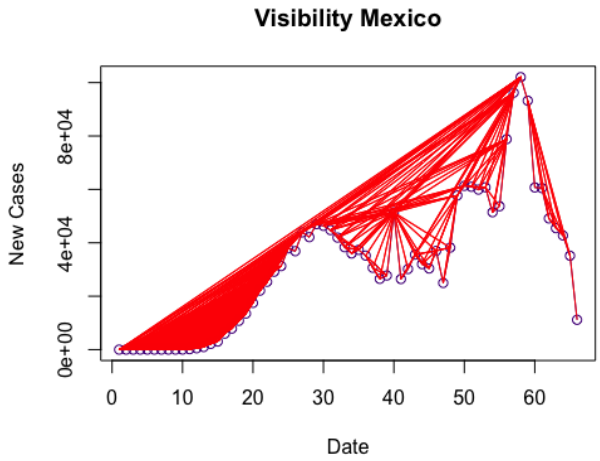

FIG. 40. Visibility Algorithm for Mexico Time Series

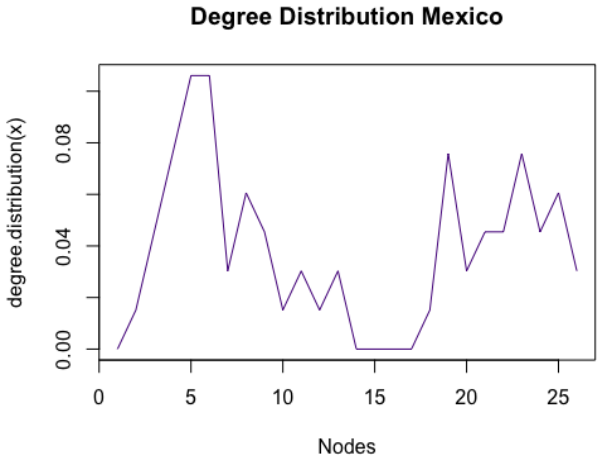

FIG. 41. Degree Distribution for Mexico behavior

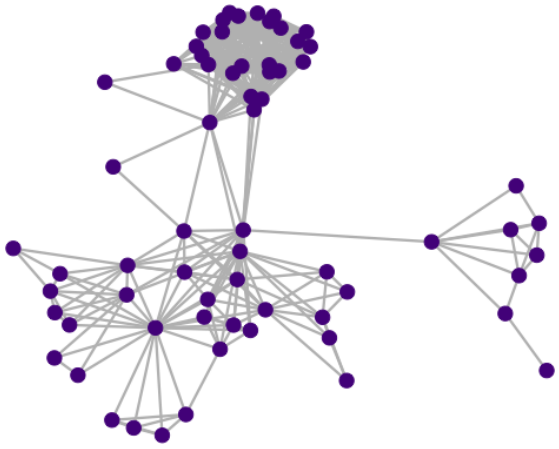

FIG. 42. Mexico Network

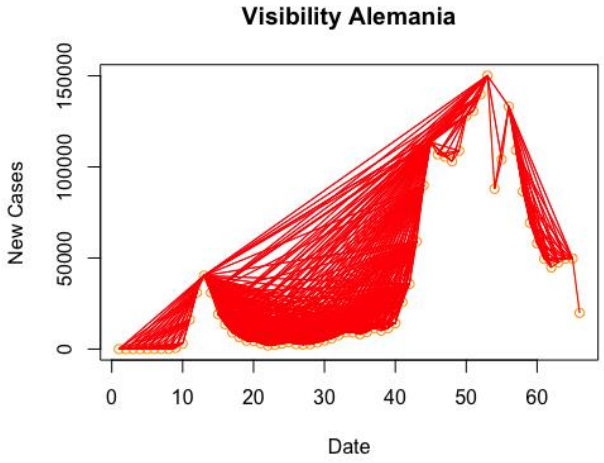

FIG. 43. Visibility Algorithm for Germany Time Series

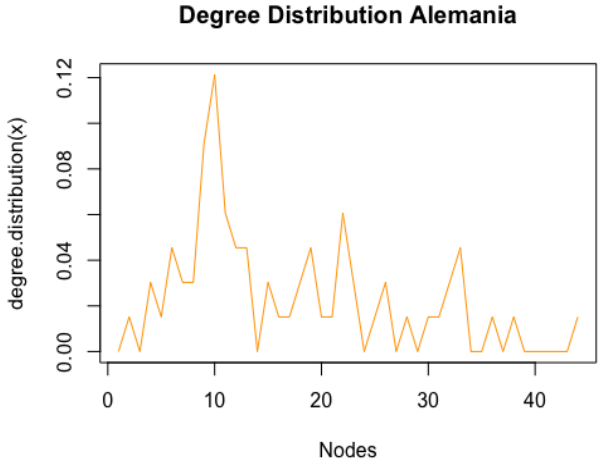

FIG. 44. Degree Distribution for Germany behavior

FIG. 45. Germany Network

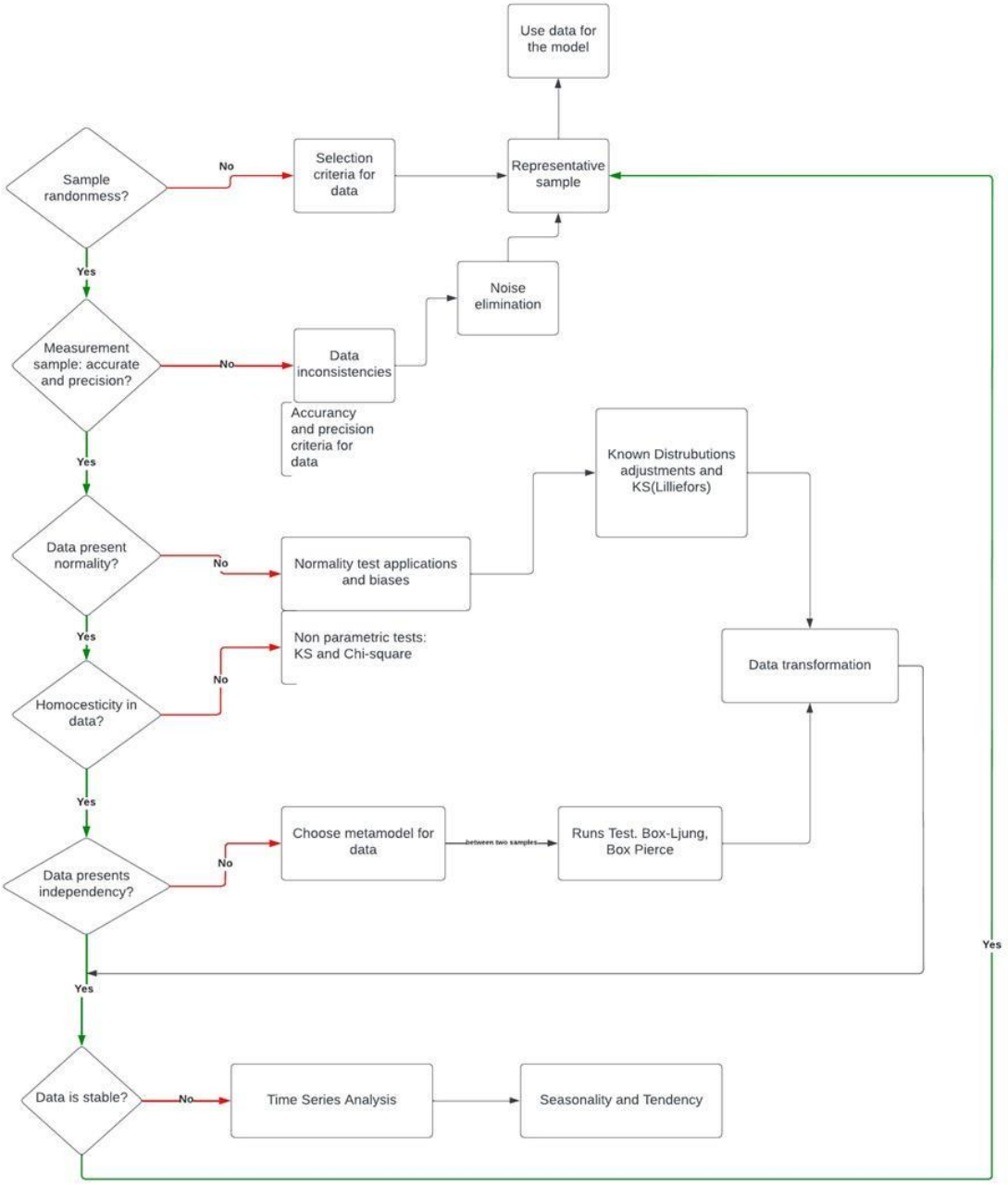

FIG. 46. FLOW CHART OF STATISTICAL TESTS APPLIED TO NEW CASES OF COVID-19.