Appendix A
List of R functions

The following R functions are newly made for the readers of the book and are used in the Sections Illustration with Real Data. These functions will be made available at


- **Bithell.test**: Bithell’s linear rank score test for decline trend
- **DiggleChetwynd.test**: Diggle and Chetwynd’s test for spatial clustering: case-control point data
- **DiggleETAL.test**: Diggle et al.’s test for space-time interaction
- **Jacquez.test**: Jacquez’s $k$ nearest neighbors test for space-time interaction
- **KnoxA.test**: Knox’s test for space-time interaction with approximated $p$-values
- **KnoxM.test**: Knox’s test for space-time interaction with Monte Carlo simulated $p$-values
- **Mantel.test**: Mantel’s test for space-time interaction
- **Nagarwalla.test**: Nagarwalla’s scan statistic for temporal clustering
- **Stone.test**: Stone’s test for decline trend
- **TangoT.index**: Tango’s index for temporal clustering
- **TangoS.index**: Tango’s index for spatial clustering: regional count data
- **TangoCNN.index**: Tango’s index for spatial clustering: case-control point data ($k$ nearest neighbors model)
- **TangoCDE.index**: Tango’s index for spatial clustering: case-control point data (double exponential model)
- **TangoEt.test**: Tango’s score test for decline trend
- **TangoFPD.test**: Tango’s score test for peak-decline trend
- **WallerLawson.test**: Waller and Lawson’s score test for decline trend


References


A List of R functions

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