

Outline of Changes

Second Edition of “Displaying Time Series, Spatial, and Space-Time Data with R”

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Spatial Data

- Code have been revised, cleaned and improved. Bugs have been fixed.
- After data creation or transformation, a text frame with the output of `summary()` has been included.
- Use `rgdal` instead of `maptools` for reading and writing data.
- New package `sf` and function `geom_sf` of `ggplot2` are used extensively.
- New interactive graphics and animations using `mapview` and `rgl`.

Proportional Symbol Mapping

- Code includes both `spplot` and `geom_sf` alternatives where possible.
- Several interactive graphics using `mapview` and `rgl`.

Choropleth Maps

- Data updated (2016).
- Chapter structure has been reorganised.
- Code includes both `spplot` and `geom_sf` alternatives where possible.
- New colour palettes.

- New section with small multiple maps.
- Bivariate maps section rewritten almost from scratch with a completely new approach.
- Interactive graphics with `mapview`.

Raster Maps

- New color palettes.
- Bivariate maps section rewritten almost from scratch with a completely new approach.
- Interactive graphics with `mapview`.

Vector Data

- Arrow plot has been improved.
- Small changes in palettes.

Physical and Reference Maps

- `osmdata` package is used to get data from OpenStreetMap instead of `osmar`.

Data

- Data has been updated.
- URLs have been checked and fixed where needed.