

'An excellent and student-friendly text ... Providing practical tips as well as fully working code, this is a practical "how to" guide ideal for undergraduates as well as those using R for the first time. It will be required reading on my own courses.'

Richard Harris, University of Bristol

'... combines extensive expertise and practical experience with a clear and accessible pedagogic style in the presentation of problems in spatial analysis.'

Martin Charlton, National University of Ireland, Maynooth

R is a powerful open-source computing tool that supports geographical analysis and mapping. For geographers and 'non-geographers' alike, this text provides an introduction to the use of R for spatial statistical analysis, geocomputation, and the analysis of geographical information. It:

- takes readers from 'zero to hero' in spatial analysis and mapping in R
- does this through functions developed by the authors and compiled into R packages
- enables practical R applications in GIS, spatial analyses, spatial statistics, mapping, and web-scraping.

Each chapter includes:

- example data and commands for exploring R
- scripts and coding to exemplify specific functionality
- advice and ideas for developing greater understanding – through functions like locator, view, and alternative coding to achieve the same ends
- self-contained exercises for students to work through
- embedded code within the descriptive text.

A core resource for anyone collecting and using spatially referenced data, this is the definitive 'how to' that takes students – from any discipline – from coding to actual applications and uses of R.

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