

Useful resources for spatial data analysis

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1 Online textbooks

The textbooks listed here have freely readable online, but also have physical versions.

General overview of concepts in spatial data science

Author = Edzer Pebesma and Roger Bivand, Year = 2023, Title = Spatial Data Science: With Applications in R, Publisher = Chapman and Hall/CRC, Address = Boca Raton, URL = <https://doi.org/10.1201/9780429459016>, doi = 10.1201/9780429459016

Link: <https://r-spatial.org/book/>

Statistics in spatial data science

Author = Paula Moraga, Year = 2023, Title = Spatial Statistics for Data Science: Theory and Practice with R, Publisher = Chapman and Hall/CRC Data Science Series, ISBN = 9781032633510

Link: <https://www.paulamoraga.com/book-spatial/index.html>

Visualisation of spatial data

Author = Michael C. Wimberly, Year = 2023, Title = Geographic Data Science with R: Visualizing and Analyzing Environmental Change, Publisher = Chapman and Hall/CRC

Link: <https://bookdown.org/mcwimberly/gdswr-book/>

2 Useful links

General non-technical overview of rasters and vectors in R

Title: Introduction to R: Spatial data

Link: <https://r-spatial.org/spatial/2-spatialdata.html>

Spatial data science with environmental background

Title: Introduction to Environmental Data Science

Link: <https://bookdown.org/igisc/EnvDataSci/>