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Written by a prominent statistician and author, the first edition of this bestseller broke new ground in the then emerging subject of spatial statistics with its coverage of spatial point patterns.

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The Spatial Statistics toolbox contains statistical tools for analyzing spatial distributions, patterns,

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Statistical Analysis of Spatial and Spatio-Temporal Point Patterns (Chapman & Hall/CRC Monographs on Statistics and Applied Probability) 3rd Edition by Peter J. Diggle (Author) 5.0 out of 5 stars 2 ratings ISBN-13: 978-1466560239

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Spatial analysis of individual maps and layers involves two-dimensional processing and geo-statistical methods, such as reclassification and thresholding, neighbourhood functions using spatial filters, distance, and buffer calculations, 2D spatial transformations and, importantly, gridding or interpolation.

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The “ R Spatial ” project, a part of the overall R Statistics OpenSource software programme, includes many facilities for spatial data handling, display and statistical analysis. As such it provides perhaps the most complete collection of software tools for analysts. These include facilities for: • Point pattern analysis

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Predictive analytics. Make accurate predictions using powerful statistical and machine learning methods, as well as specialized spatial modeling approaches. Model interaction, flow, and movement in space and time. Create prediction surfaces using sophisticated geostatistical techniques.

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Geostatistics—Wikipedia

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