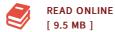# Spatial Statistics and Geostatistics: Theory and Applications for Geographic Information Science and Technology (Hardback)

By Yongwan Chun, Daniel A. Griffith

Sage Publications Ltd, United Kingdom, 2013. Hardback. Condition: New. New. Language: English . Brand New Book. Ideal for anyone who wishes to gain a practical understanding of spatial statistics and geostatistics. Difficult concepts are well explained and supported by excellent examples in R code, allowing readers to see how each of the methods is implemented in practice - Professor Tao Cheng, University College London Focusing specifically on spatial statistics and including components for ArcGIS, R, SAS and WinBUGS, this book illustrates the use of basic spatial statistics and geostatistics, as well as the spatial filtering techniques used in all relevant programs and software. It explains and demonstrates techniques in: spatial samplingspatial autocorrelationlocal statisticsspatial interpolation in two-dimensionsadvanced topics including Bayesian methods, Monte Carlo simulation, error and uncertainty. It is a systematic overview of the fundamental spatial statistical methods used by applied researchers in geography, environmental science, health and epidemiology, population and demography, and planning. A companion website includes digital R code for implementing the analyses in specific chapters and relevant data sets to run the R codes.

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