

[DOWNLOAD](#)[READ ONLINE](#)

[7.4 MB]

VDM Verlag Sep 2009, 2009. Taschenbuch. Book Condition: Neu. 220x150x19 mm. This item is printed on demand - Print on Demand Neuware - This book introduces proximity catch digraphs (PCDs) based on multiple types of data points in a measurable space. The PCDs are constructed using the relative positions of members of points from a class of interest with respect to the Delaunay tessellation of points from another class. Among the advantages of PCDs is mathematical tractability of the distribution of the domination number, moments of relative density, and geometry invariance for uniform data. Thus PCDs are applicable on statistical hypothesis testing and pattern classification. The domination number and relative density are both used to test a type of complete spatial randomness against spatial point patterns of segregation and association. The power of the tests is assessed by asymptotic efficiency methods such as Pitman asymptotic efficiency, Hodges-Lehmann asymptotic efficiency, and asymptotic power function analysis. Finite sample power is analyzed by extensive Monte Carlo simulations. The methods are illustrated in the two dimensional case, but are applicable to higher dimensions as well as to other types of proximity maps. 320 pp. Englisch.

Reviews

This pdf is really gripping and exciting. Yes, it is actually perform, nevertheless an amazing and interesting literature. I am just effortlessly can get a pleasure of looking at a published pdf.

-- **Tony Dickens**

Absolutely essential go through pdf. Of course, it can be enjoy, still an amazing and interesting literature. Your way of life period will be convert the instant you comprehensive reading this article ebook.

-- **Kevin Quigley**