Introduction to Spatial Clustering Detection of Recurrent Events

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Abstract

Traditional spatial cluster detection methods are designed to analyze Bernoulli data (a case or not a case) to search for hotspots of cases. For example, one may be interested in finding the district or county (or a collection of them) in a state or province that is the primary cluster of individuals who have some disease. In this talk, we will give an introduction to spatial event-cluster detection method to treat compound Poisson data.

Keywords: spatial cluster detection, event-cluster, compound Poisson data