Efficient Algorithms for Pattern Mining in Spatiotemporal Data

Abstract

Spatio-temporal data is any information relating to space and time. It is continually updated data with 1TB/hr are greatly challenging our ability to digest the data. With that data, it is unable to gain exact information. Data mining models contain many statistical models such as regression models of various kinds, cluster analysis models, covariance analysis models, principle component analysis models, outlier detection models (temporal, spatial, non-spatial), trend detection models, partial least squares models (prediction) and multiple variant visualization models. Most of these models find applications in spatial data mining and pattern discovery.

References


Index Terms

Computer Science
Algorithms

Keywords
Spatio-Temporal Data Clustering Association Rule Pattern Discovery