Abstract

Time-Series clustering is one of the important concepts of data mining that is used to gain insight into the mechanism that generate the time-series and predicting the future values of the given time-series. Time-series data are frequently very large and elements of these kinds of data have temporal ordering. The clustering of time series is organized into three groups depending upon whether they work directly on raw data either in frequency or time domain, indirectly with the features extracted from the raw data or with model built from raw data. In this paper, we have shown the survey and summarization of previous work that investigated the clustering of time series in various application domains ranging from science, engineering, business, finance, economic, health care, to government.

References

- H. Ding, "Querying and Mining of Time Series Data: experimental comparison of representations and distance measures," Proceedings of the VLDB Endowment VLDB
Recent Techniques of Clustering of Time Series Data: A Survey


April 2009.
- M. Kumar, N. R. Patel, J. Woo, "Clustering seasonality patterns in the presence of errors," Proceedings of KDD '02, Edmonton, Alberta, Canada.
- G. Verdoolaege and Y. Rosseel, "Activation Detection In Event-Related Fmri


Index Terms

Computer Science

Artificial Intelligence

Keywords

Clustering  Time series data  Data mining  Dimensionality reduction  Distance measure