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

April 2009.
- S. R Nanda; B Mahanty; M. K tiwari; Clustering Indian stock market data for portfolio management &quot;published in journal Experts Systems with Application: An international journal archive Volume 37 Issue 12,December, 2010.
- M. Kumar, N. R. Patel, J. Woo, Clustering seasonality patterns in the presence of errors, Proceedings of KDD &apos;02, Edmonton, Alberta, Canada.
- J. X. Wu, J. L. Wei, &quot;Combining ICA with SVR for prediction of finance time series;&quot; Proceedings of the IEEE International Conference on Automation and Logistics August 18 - 21, 2007, Jinan, China, pp 95-100.
- G. Verdoolaege and Y. Rosseel;&quot;Activation Detection In Event-Related Fmri


**Index Terms**

Computer Science

Artificial Intelligence

**Keywords**

Clustering Time series data Data mining Dimensionality reduction Distance measure