Abstract

Data mining is the process of identifying the valid information from large databases. There are many different tasks in data mining such as classification, clustering, prediction, time series analysis, sequence pattern mining, etc. The Sequential Pattern Mining is used to find sequential patterns that occur in large databases. It also identifies the frequent subsequences as patterns from a sequence database. In real world, as massive amount of data are needed to be collected continuously and stored in the databases. Many industries are becoming interested in mining sequential patterns from these databases. This paper provides a systematic study on sequential pattern mining methods. It also deals with the analysis of
various research problems and challenges in sequential pattern mining.

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Index Terms

Computer Science

Data Mining
**Keywords**
- Sequential Pattern Mining
- Apriori Methods
- Pattern Growth Methods
- time Interval
- Sequence Pattern
- Closed Sequential Pattern Mining
- Target Oriented Sequential Pattern