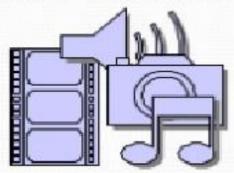
Data Mining vs. Web Mining

- Traditional data mining
 - data is structured and relational
 - well-defined tables, columns, rows, keys, and constraints.
- Web data Mining
 - Semi-structured and unstructured
 - readily available data
 - rich in features and patterns





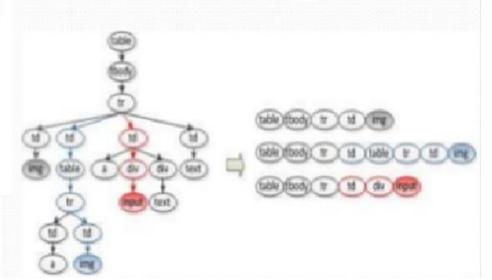
Classification of Web Mining Techniques



web-structure wiining

 Web Structure Mining is a tool used to identify the relationship between Web pages linked by information or direct link connection.

- Creating a model of web organization
- Classify web pages
- Create similarity measures between web pages
- Page Rank
- Hyperlink induced topic search(HITS)

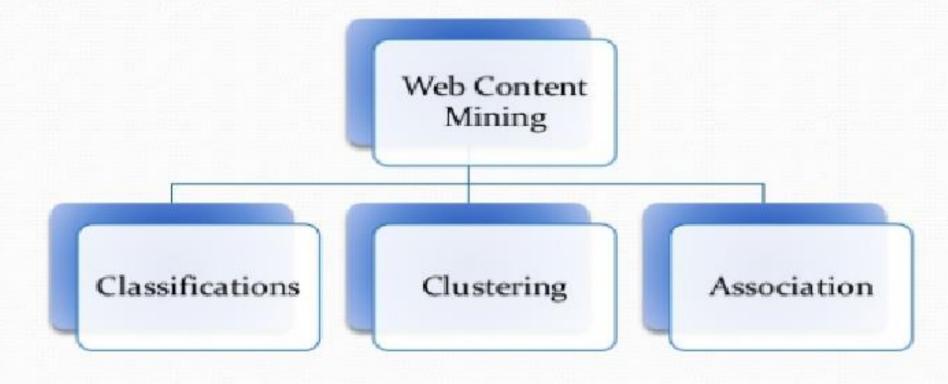


Web Content Mining

- 'Process of information' or resource discovery from content of millions of sources across the World Wide Web
 - E.g. Web data contents: text, Image, audio, video, metadata and hyperlinks
 - It is related to text mining because much of the web contents are texts.



Web Content Mining Techniques



Web-Usage Mining

• What is Usage Mining?

Discovering user 'navigation patterns' from web data.

Prediction of user behavior while the user interacts with the web.

- Extends work of basic search engines.
- Performs mining on Web usage data or Web logs.
- Search Engines
 - IR application.
 - Keyword based.
 - Similarity between query and document.
 - Crawlers.
 - Indexing.
 - Profiles.
 - Link analysis.

Web Crawler

- Program which browses WWW in a methodical, automated manner [2]
- Copy in cache and do Indexing
- Starts from a seed url
- Searches and finds links, keywords
- Types of Crawler
 - Context focused
 - Focused
 - Incremental
 - Periodic

