

Introduction to Computer(01103)

Lecture # 08

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DATA MINING

- Topics
- Introduction to Data Mining
- Needs of Mining
- Objectives of Mining
- Evaluation of Data Mining

Introduction to Data Mining

- **Data mining** helps to extract information from huge sets of **data**. It is the procedure of **mining** knowledge from **data**. ... Important **Data mining techniques** are Classification, clustering, Regression, Association rules, Outlier detection, Sequential Patterns, and prediction

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- **Definition:** In simple words, **data mining** is defined as a process used to extract usable **data** from a larger set of any raw **data**. It implies analysis **data** patterns in large batches of **data** using one or more software. ... **Data mining** involves effective **data** collection and warehousing as well as computer processing.

Needs of Data Mining

- In business, **data mining** is useful for discovering patterns and relationships in **data** to help make better decisions.
 - **Data mining** helps in developing smarter marketing campaigns and to predict customer loyalty. ... **Data mining** also helps banks to detect fraudulent credit card transactions

Objectives of Mining

- Systematic exploration of mineral deposits for preparing mineral inventory.
- Development and conservation of minerals.
- Encourage value addition of minerals through promotion of mineral based industries.
- Strengthen mineral administration.
- Enforcement of mineral laws and rules

Evaluation of Data Mining

- - The main purpose of this study is to examine the risk level of **mining** investment projects, based on the Monte Carlo method.

Best of Luck

Course Instructor

Miss Nadia khan