

Anoka Technical College

BDAT 1020: Data Mining

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course introduces and studies the concepts, issues, tasks, and techniques of data mining.
(Prerequisites: None) (2 credits lecture/1 credit lab)

B. COURSE EFFECTIVE DATES: 05/31/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Data preparation
2. Data association rules
3. Data evaluation and validation
4. Spatial and sequence models
5. Data visualization
6. Data reporting services

D. LEARNING OUTCOMES (General)

1. Identify basic statistical descriptions of data.
2. Define data preprocessing methods.
3. Explain data warehouse technologies.
4. Describe frequent data patterns, associations, and correlations.
5. Understand different data classification methods.
6. Create visualizations of data.
7. Construct data mining solutions.
8. Use data mining for predictive analysis.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted