Bemidji State University

BUAD 4386: Information Systems Analytics

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

The study of collecting, sorting, filtering, analyzing, and storing organizational data to improve business functions. Students will build experience in the use of various techniques in visualizations and programming. Prerequisite(s): BUAD 3382 and BUAD 3384; or consent of instructor.

B. COURSE EFFECTIVE DATES: 07/31/2023 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Data Summarization and Visualization
2. Linear and Nonparametric Regression
3. Model Selection
4. Classification and logistic Regression
5. Dimension Reduction
6. txt as Data and Network data

D. LEARNING OUTCOMES (General)

1. define data analytics and describe business intelligence concepts.
2. gather relevant data and conduct data analytics using statistical models.
3. solve business-oriented problems using techniques in data analytics.
4. analyze various methods and scenarios using programming language.
5. develop accurate decisions by utilizing big data and advanced techniques in data analytics.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted