DTSC 5501 - Fundamentals of Data Analytics

3 hours

Provides an introduction to key concepts of data science, data analysis, data acquisition and management, statistical analysis software and programming, communicating and operationalizing analysis results, and data ethics. Covers the data lifecycle process and basic concepts required for data science and analytical tasks, including smart processing and technologies such as computational methods, data visualization, and other techniques to facilitate data analysis. Particular emphasis is on data management issues during the data lifecycle, from the observation of natural phenomena to the capture of raw data points to cleaning, organization and further treatments to make data useful for analysis.

Prerequisite(s): None.

Course specific fees (in addition to tuition and mandatory):
Academic (AF) per hour: $13.80