

DATA105N : Data Mining

Data mining is the process of examining data for patterns that provide useful and valuable information from the data. This course will provide background study for data mining and hands on skills practice in data mining techniques. Topics include basic probability background, types of data, preprocessing data, cluster analysis, classification methods and association analysis. Work will be performed in a Python based visual programming environment (not requiring coding or programming background). The connection between data mining techniques and machine learning and artificial intelligence will be examined. An important component of this course is the completion of an applied project and communicating results to others.

Class Hours 2

Lab Hours 2 **Credits** 3