DSCI 5340 - Predictive Analytics and Business Forecasting

3 hours

Covers major topics used in developing predictive modeling and applied statistical forecasting models that are of major interest to business, government and academia. These include exploring the calibration of models, the estimation of seasonal indices and the selection of variables to generate operational business forecasts. Topics assist business professionals in utilizing historical patterns to build a more constructive view of their future. Overview of how these topics can be used with data capture, integration and information deployment capabilities to ensure more productive decisions and more accurate planning. Modern forecasting techniques are covered for the evaluation of sophisticated business models used to make intelligent decisions in marketing, finance, personnel management, production scheduling, process control, facilities management and strategic planning.

Prerequisite(s): DSCI 5180 or course equivalent or consent of department.

Course specific fees (in addition to tuition and mandatory):
Academic (AF) per hour: $15.50