SPRING 2023 - STAT 240 D100

INTRODUCTION TO DATA SCIENCE (3)

Class Number: 5823 Delivery Method: In Person

COURSE TIMES + LOCATION:

Mo 12:30 PM – 2:20 PM
WMC 3260, Burnaby

INSTRUCTOR:

Lloyd Elliott
lloyde@sfu.ca
1 778 782-3376

PREREQUISITES:

One of STAT 201, STAT 203, STAT 205, STAT 270, BUS 232, or ECON 233, and one of CMPT 102, CMPT 120, CMPT 125, CMPT 128, CMPT 129, CMPT 130, all with a minimum grade of C- or permission of the instructor. STAT 260 is also recommended.

Description

CALENDAR DESCRIPTION:

Introduction to modern tools and methods for data acquisition, management, and visualization capable of scaling to Big Data. Quantitative.

COURSE DETAILS:

This course will use the statistical software R to acquire and clean data for answering data science questions. This class will focus on using SQL to query big data sets, handling text data from a webpage api, and scraping data from webpages.

Grading

Weekly Lab Assignments	20%
Midterm	40%
Final Exam	40%

NOTES:

Materials

REQUIRED READING:

Automated Data Collection with R: A Practical Guide to Web Scraping and Text Mining. Authors: Simon Mumzert, Christian Rubba, Peter Meissner, Dominic Nyhuis. Publisher: Wiley

Available online for free through the SFU Library