

SPRING 2024 - STAT 240 D100

INTRODUCTION TO DATA SCIENCE (3)

Class Number: 2796 Delivery Method: In Person

COURSE TIMES + LOCATION:

Jan 8 – Apr 12, 2024: Wed, 12:30–2:20 p.m.

Burnaby

INSTRUCTOR:

David Stenning

dstennin@sfu.ca

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 NOTES:

Your personalized Course Material list, including digital and physical textbooks, are available through the SFU Bookstore website by simply entering your Computing ID at: shop.sfu.ca/course-materials/my-personalized-course-materials.

DEPARTMENT UNDERGRADUATE NOTES:

Students with Disabilities:

Students requiring accommodations as a result of disability must contact the Centre for Accessible Learning 778-782-3112 or caladmin@sfu.ca.

Tutor Requests:

Students looking for a tutor should visit <https://www.sfu.ca/stat-actsci/all-students/other-resources/tutoring.html>. We accept no responsibility for the consequences of any actions taken related to tutors.

REGISTRAR NOTES:**ACADEMIC INTEGRITY: YOUR WORK, YOUR SUCCESS**

SFU's Academic Integrity website <http://www.sfu.ca/students/academicintegrity.html> is filled with information on what is meant by academic dishonesty, where you can find resources to help with your studies and the consequences of cheating. Check out the site for more information and videos that help explain the issues in plain English.

Each student is responsible for his or her conduct as it affects the university community. Academic dishonesty, in whatever form, is ultimately destructive of the values of the university. Furthermore, it is unfair and discouraging to the majority of students who pursue their studies honestly. Scholarly integrity is required of all members of the university. <http://www.sfu.ca/policies/gazette/student/s10-01.html>