SPRING 2018 - STAT 240 D100
INTRODUCTION TO DATA SCIENCE (3)

Class Number: 4472   Delivery Method: In Person

Overview

COURSE TIMES + LOCATION:

Mo 10:30 AM – 12:20 PM
AQ 3154, Burnaby

EXAM TIME + LOCATION:

Apr 13, 2018
Fri 3:30 PM – 6:30 PM
Location: AQ 3144, Burnaby

Apr 13, 2018
Fri 3:30 PM – 6:30 PM
Location: WMC 2502, Burnaby

INSTRUCTOR:

Campbell, David
dac5@sfu.ca
1 778 782-3730
Office: SC-K10556

PREREQUISITES:
CMPT 120 and one of STAT 101, STAT 201, STAT 203, or STAT 270, or permission of the instructor.

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
Projects	40
Final Exam	40

NOTES:
Above grading is subject to change.

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 ISBN: 978-1-118-83481-7

RECOMMENDED READING:

DEPARTMENT UNDERGRADUATE NOTES:

Students with Disabilites:
Students requiring accommodations as a result of disability must contact the Centre for Students with Disabilities 778-782-3112 or csdo@sfu.ca

Tutor Requests:
Students looking for a Tutor should visit http://www.stat.sfu.ca/teaching/need-a-tutor-.html. We accept no responsibility for the consequences of any actions taken related to tutors.

REGISTRAR NOTES:

SFU's Academic Integrity web site http://students.sfu.ca/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

<div align="center">ACADEMIC INTEGRITY: YOUR WORK, YOUR SUCCESS</div>

MODIFIED BY:

Department, Statistics Actuarial (stat) on 2017-11-22 11:58 AM

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