FALL 2019 - STAT 285 D100

Overview

Th 2:30 PM – 3:20 PM
BLU 9660, Burnaby

Tu 2:30 PM – 4:20 PM
AQ 3153, Burnaby

Dec 13, 2019
Fri 3:30 PM – 6:30 PM
Location: AQ 3150, Burnaby

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STAT 270 and one of MATH 152, MATH 155, or MATH 158.

Description

This course is a continuation of STAT 270. Review of probability models. Procedures for statistical inference using survey results and experimental data. Statistical model building. Elementary design of experiments. Regression methods. Introduction to categorical data analysis. Quantitative

Outline:

1. Review of STAT 270 material and relationship to this course
2. Statistical Models
3. Parameter estimation - least squares and likelihood methods
4. Hypothesis tests
5. Introduction to Regression Analysis - simple and multiple
6. Analysis of Variance
7. Categorical Data Analysis

Grading

Assignments
Midterm 1
Midterm 2
Final Exam

Above grading is subject to change.

Materials

REQUIRED READING:

Required Textbook:

Probability and Statistics for Engineering and the Sciences (9th ed.) by Jay L. Devore. Publisher: Duxbury Press

RECOMMENDED READING:

DEPARTMENT UNDERGRADUATE NOTES:

Students with Disabilites:
Students requiring accommodations as a result of disability must contact the Centre for Accessible Learning 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://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 y QoM