SPRING 2023 - STAT 201 D900

Class Number: 5956   Delivery Method: In Person

COURSE TIMES + LOCATION:

Mo 12:30 PM – 1:20 PM
SRYE 1002, Surrey

Th 12:30 PM – 2:20 PM
SRYE 1002, Surrey

EXAM TIMES + LOCATION:

Apr 24, 2023
12:00 PM – 3:00 PM
SRYE 1002, Surrey

INSTRUCTOR:

Wei Lin
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1 778 782-4489

PREREQUISITES:

Recommended: 30 units.

Description

CALENDAR DESCRIPTION:

Research methodology and associated statistical analysis techniques for students with training in the life sciences. Intended to be particularly accessible to students who are not specializing in Statistics. Students cannot obtain credit for STAT 201 if they already have credit for - or are taking concurrently - STAT 101, 203, 205, 285, or any upper division STAT course. Quantitative.

hypotheses (e.g. hypotheses, p-values, statistical signi icance) are presented.

6. Estimation and Testing for One Sample Problems (Chapters 20 and 22 of text) Procedures for means and proportions are discussed with an emphasis on the use of statistical software and the interpretation of results.
7. Estimation and Testing for Two Sample Problems (Chapters 21 and 23 of text) Procedures for means and proportions are discussed with an emphasis on the use of statistical software and the interpretation of results.
8. One Way ANOVA (Chapter 27 of text) One way analysis of variance procedures are discussed with an emphasis on implementation using statistical software and the interpretation of results.
9. Chi-Square Tests (Chapters 6 and 25 of text) Procedures for testing in contingency tables are discussed with an emphasis on the use of statistical software and the interpretation of results. Measures of association are discussed.
10. Regression (Chapter 5 and 26 of text) Simple linear regression is introduced with an emphasis on carrying out regression on actual data using statistical software and the interpretation of results. Related concepts including residuals, least squares it, testing and the construction of con idence intervals is addressed.

Grading

Assignments (4)	**20%**
Midterms	**25%**
Quiz (2)	**20%**
Final Exam	**35%**

NOTES:
Above grading is subject to change.

There will be no make-up midterms.

Materials

REQUIRED READING:

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.

ACADEMIC INTEGRITY: YOUR WORK, YOUR SUCCESS

SFU's Academic Integrity website http://www.sfu.ca/students/academicintegrity.html is illed with information on what is meant by academic dishonesty, where you can ind 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