SUMMER 2015 - STAT 270 C100

INTRODUCTION TO PROBABILITY AND STATISTICS (3)

Class Number: 2037   Delivery Method: Distance Education

COURSE TIMES + LOCATION:

Distance Education

EXAM TIMES + LOCATION:

Jun 30, 2015
7:00 PM – 9:00 PM
WMC 3260, Burnaby

Aug 14, 2015
8:30 AM – 11:30 AM
AQ 3149, Burnaby

COREQUISITES:

Corequisite: : MATH 152 or 155 or 158. Students wishing an intuitive appreciation of a broad range of statistical strategies may wish to take STAT 100 first.

Description

CALENDAR DESCRIPTION:

Basic laws of probability, sample distributions. Introduction to statistical inference and applications. Quantitative.

COURSE DETAILS:

This is one of the first courses in probability and mathematical statistics: Basic laws of probability, sample distributions, introduction to statistical applications.

The course consists of the following general topics:

1. Introduction to descriptive statistics
2. Concepts of probability and tools for calculating probability
3. Discrete distributions: Variables, expectations and Binomial and Poissons distributions
4. Continuous distributions: Normal, gamma, and exponential distributions, normal approximation to Binomial distribution, jointly distributed random variables, the central limit theorem
5. Inference: Single samples-estimation, hypothesis testing
6. Inference: Two samples-normal, large samples, and paired cases

Grading

Assignment 1	5%
Assignment 2	5%
Assignment 3	5%
Mid-term Exam	30%
Final Exam	55%

NOTES:

Delivery Method:

Canvas

Starting on the first day of classes, students are able to log in.

REQUIREMENTS:

Students are responsible for following all exam policies and procedures (e.g., missing an exam due to illness) available here.

Materials

MATERIALS + SUPPLIES:

Additional Course Fee: $40

All Required Readings listed below are not provided by the Distance Education Office (CODE).

REQUIRED READING:

Introduction to Probability and Statistics (2nd Custom Ed.), Swartz
ISBN: 9781269737210

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 send an email to stat@sfu.ca with "Tutor Request" in the subject line. Please only include information that you would like forwarded to our tutors mailing list (contains people external to the University). 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

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