Department of Statistics & Operation Research
King Saud University
First Semester 2020 - 2021

Stat105

Instructor: Dr. Mahmoud Ibrahim

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Textbook: Probability and Statistics for Engineering and the Sciences 8th Edition by Jay L. Devore.

Catalog Description

Week	Title
W1	Some discrete distributions: Binomial, Hyper geometric, Poisson, Uniform
W2	Some continuous distributions: Normal, t Probabilities, tables, critical points
W3	Some continuous distributions: Chi squares, F Probabilities, tables, critical points
W4	Central limit theorem and Sampling distribution of means, proportion, variance one & two populations
W5	
W6	
W7	
The First Term Exam	
W8	Point and interval estimation: Mean, Proportion, variance one and two populations
W9	
W10	Testing Hypothesis: Mean, Proportion, variance one and two populations
W11	
Assignment	
W12	Chi-square tests
W13	Analysis of correlation and regression
W14	Analysis of variance: single factor and complete block design
W15	Revision
Final	

Assignments and Exams:

Exams	Topics covered	Date	Time	Mark
Tutorial	Will be given during the classes (Participation, discussion in the classroom, exercises, …)	The entire first semester		10
First Midterm	Topics covered from week 1 to week 7			30
Assignment	Topics covered from week 8 to week 11	From 01/03/1442 to 28/03/1442		20
Final exam	Topics covered from week 12 to week 14	05/05/1442	13:00 to 15:00	40

Attendance:

Students missing more than 25% of the total class hours won't be allowed to write the final exam.