

Department of Statistics & Operation Research-King Saud University
first Semester_1444/2022

Stat 328
Statistical Packages

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Office hours:

Monday: 12:30 am- 1:30 pm.

Course Timeline

Week	Title
W1	Introduction to statistical analysis using excel
W1	Some mathematical, statistical and logical functions in excel
W2	Descriptive statistics using excel, Statistical tests using excel
W2	Correlation and regression, some statistical charts in excel
W3	Working with matrices, Sampling and random number generation in excel
W4	Introduction to Minitab, descriptive statistics using Minitab
W4	Statistical distributions in Minitab
W5	Statistical tests using Minitab, correlation and regression using Minitab
<i>First Term Exam, Week 5, Monday 26/9/2022</i>	
W6	Introduction to R, statistical and mathematical functions
W6	Descriptive statistics using R
W7	Statistical distributions in R
W8	Correlation, regression and simulation using R
<i>Second Term Exam, Week 8, Thursday 20/10/2022</i>	
W9	Introduction to SPSS, descriptive statistics using SPSS
W9	Statistical tests using SPSS
W10	Correlation and regression using SPSS
<i>Final Exam</i>	

Grading policy:

Test No. 1: 25 Marks (1.5 hours)

Test No. 2: 25 Marks (1.5 hours)

Final Test: 40 Marks (3 hours)

Lab and assignment: 10 Marks

Required text Books:

1. Minitab Guide, Second Edition Desmond J. Higham and Nicholas J. Higham A-Jin Publishing Company. Latest version
2. SPSS Guide to Data Analysis by MarijaNorse's. . Latest version
3. Hector Guerrero. Excel Data Analysis: Modeling and Simulation, Springer. . Latest version
4. SPSS Survival Manual: A Step by Step Guide to Data Analysis Using IBM Spss. Latest version
5. Alain F. Zuur l Elena N. Ieno Erik H.W.G. Meesters. A Beginner's Guide to R, Springer. Latest version

Programming:

Excel, SPSS, R language, Mintab

Attendance:

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