



The Hebrew University of Jerusalem

Syllabus

Introduction to statistics B - 40116

Last update 05-03-2025

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Geography

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Tali Bdolah-Abram

Coordinator Email: taliba@savion.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Ms. Tali Bdolah-Abram

Course/Module description:

The course is meant to expand the knowledge and familiarity with statistical terms & models, emphasizing applying statistical tests to analyze data, using the SPSS program. A brief theoretical background will be given to each tool & test, as well as learning how to apply the test using SPSS.

Course/Module aims:

To help the students to acquire skills that enable them to perform basic statistical analysis of data

Learning outcomes - On successful completion of this module, students should be able to:

- 1.To learn to organize a data base for statistical analysis.
- 2.To understand how to choose the appropriate statistical test for analyzing variables in the data.
- 3.To learn to use statistical tests using SPSS.
4. to learn to summarize the statistical analysis & draw conclusions.

Attendance requirements(%):

Teaching arrangement and method of instruction: Lectures and exercises applying SPSS

Course/Module Content:

1. Creating a data base in SPSS, including creating new variables.
2. Descriptive statistics methods including graphs, using SPSS.
3. Correlation coefficient, simple/multiple linear regression
4. t-test: 1-sample, 2-samples, paired
5. ANOVA
6. Chi-square test, Fisher's exact test
7. Logistic regression
8. Non-parametric tests

Required Reading:

DISCOVERING STATISTICS USING SPSS, Fifth edition, By Andy Field, Published by SAGE Publications Ltd.

Additional Reading Material:

DISCOVERING STATISTICS USING SPSS, Fifth edition, By Andy Field, Published by SAGE Publications Ltd.

Grading Scheme:

Written Exam % 100

Additional information:

The score of the final exam is the course's score.

Conditions for being able to take the exam: submitting 75% of exercises given during the course, and handing in of a midterm exercise.

The book which is (very)recommended as reading material is not mandatory