



The Hebrew University of Jerusalem

Syllabus

Statistical Methods in Psychological Research (B.A.) - 51307

Last update 12-09-2024

HU Credits: 3

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Psychology

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. ScopusMt. Scopus

Course/Module Coordinator: Shir Ginosar Yeaari and Snir Barzilay

Coordinator Email: doron.atias@mail.huji.ac.il

Coordinator Office Hours: Upon advanced coordination

Teaching Staff:

Ms. Shir Ginosaryaa,
Mr. Maoz Rosenfeld,
Mr. Avishai Ella,
Ms. Daria Klotsvog,
Mr. Snir Barzilay

Course/Module description:

The course will focus on different statistical methods, with reference to prevailing research paradigms in Psychology.

Course/Module aims:

To master basic methods for data analyses in Psychological research.

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

1. Formulate a hypothesis to study a data set.
2. Choose among different statistical methods the proper one given the hypothesis made.
3. Apply a range of statistical methods to datasets and explain their results
4. Identify wrong choices in the application of statistical methods on data sets
5. Conduct assessments of modeling approaches using quantitative metrics
6. Work effectively in heterogeneous teams on statistical problems

Attendance requirements(%):

Teaching arrangement and method of instruction: Classes, exercises, problem sets, projects

Course/Module Content:

T-tests.
F distribution, one-way analysis of variance.
Two way analysis of variance.
Effect size for analysis of variance.
Non - parametric tests.

*Regression and correlation.
Repeated measures design.*

Required Reading:
none

Additional Reading Material:

Grading Scheme:

*Computerized Exam - At the cluster % 25
Essay / Project / Final Assignment / Home Exam / Referat 20 %
Active Participation / Team Assignment 5 %
Submission assignments during the semester: Exercises / Essays / Audits / Reports
/ Forum / Simulation / others 30 %
Mid-terms exams 20 %*

Additional information:

An exercise will be given each week. Work on the exercise can be done in groups, but submission is individual. Each recorded lesson contains questions, answering those constitutes 5% of the grade. There are 2 projects and a final quiz. There is no Moed B for the final quiz.