The Hebrew University of Jerusalem

Syllabus

Introduction to statistics B - 40116

Last update 14-03-2023

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: Dr. Shaul Tsionit

Coordinator Email: shaultz@openu.ac.il

Coordinator Office Hours:

Teaching Staff:

Dr. Shaul Tsionit

Course/Module description:
   The course deals with fundamental ideas of inferential statistics via statistical tests and statistical models and their applications in social sciences.

Course/Module aims:

Learning outcomes - On successful completion of this module, students should be able to:
   1.To understand outcomes of statistical analyses.
2.To analyze statistical data by software.
3.To critically evaluate statistical analyses.

Attendance requirements(%):

Teaching arrangement and method of instruction: Integrating lectures and use of statistical software such as JMP, EXCEL.

Course/Module Content:
   1. Statistical tests: Parametric, non-parametric.
2. Statistical models: Linear regression, analysis of variance, logistic regression. Principal Components Analysis. Path Analysis.

Required Reading:
 Sall J & Lehman A & Creighton, L, (2001), JMP Start Statistics, SAS Institute Inc, Duxbury, Canada.

 Additional Reading Material:

  Course/Module evaluation:
 End of year written/oral examination 0 %
 Presentation 0 %
 Participation in Tutorials 0 %

Project work 90 %
Assignments 10 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %
bonus max 5 points

<u>*Additional information:*</u>