האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

The Hebrew University of Jerusalem

Syllabus

Statistics for Communication Students - 50270

Last update 11-08-2022

HU Credits: 2

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Communication & Journalism

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Dr. Eran Amsalem

Coordinator Email: eran.amsalem@mail.huji.ac.il

Coordinator Office Hours: Tuesday, 12:00 - 13:00, room 5408 or in Zoom

Teaching Staff:

Dr. Eran Amsalem,
Ms. nitzan attias,
Mr. Avital Zalik

Course/Module description:
focusing class statistics introductory an is "Students Communication for Statistics˝ on descriptive statistics and statistical inference.

Course/Module aims:
1. Provide students with the skills necessary for reading and interpreting quantitive data.
2. Provide students with the ability to select an appropriate statistical tests and utilize it to test hypotheses.

Learning outcomes - On successful completion of this module, students should be able to:
1. Present, interpret, and analyze quantitative data.
2. Select the statistical test appropriate for addressing a given research question and execute the test properly.
3. Critically assess statistical information presented in scientific papers, in the media, and elsewhere.

Attendance requirements(%):
80%

Teaching arrangement and method of instruction: The course includes frontal lectures and practical classes. The teaching method is based on combining lectures, where statistical concepts are introduced, and practical classes where the acquired skills are practiced using Excel.

Course/Module Content:
1. Introduction to statistics
2. Variables and distributions
3. Measures of central tendency
4. Measures of dispersion
5. The normal distribution
6. Sampling distribution
7. Estimation
8. Hypothesis testing
9. t-test

10. Correlation
11-12. Linear regression

Required Reading:
פרנקפורט-נחמיאס, ח., ולאון-גררון, א. (2014). סטטיסטיקה חברתית לחברה מגוונת. רעננה: האוניברסיטה הפתוחה.

Additional Reading Material:
איזנבך, ת. (2003). סטטיסטיקה ללא סטטיסטיקאים. ירושלים: אקדמון.
וייסברוד, ד. ופקטור, ר. (2019). סטטיסטיקה יישומית למדעי החברה ולמשפטים. תל-אביב: נבו.
Imai, K. (2018). Quantitative social science: An introduction. Princeton: Princeton University Press.
Yakir, B. (2011). Introduction to statistical thinking. Jerusalem: The Hebrew University of Jerusalem. Available at https://eleuven.github.io/statthink/

Course/Module evaluation:
End of year written/oral examination 70 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 30 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information:
During the semester, students will submit three assignments, each accounting for 10% of the final grade. A final exam at the end of the semester will comprise 70% of the final grade. A grade of 60 or higher in the final exam is required to pass this course.