



The Hebrew University of Jerusalem

Syllabus

Economic Data Analysis using Python An Introduction - 57003

Last update 06-11-2022

HU Credits: 1

Degree/Cycle: 2nd degree (Master)

Responsible Department: Economics

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Arie Beresteanu

Coordinator Email: Arie@pitt.edu

Coordinator Office Hours: Wednesdays 10-12AM

Teaching Staff:

Dr. Arie Beresteanu

Course/Module description:

The course will familiarize economic students with data analysis tools using Python.

Course/Module aims:

Students will learn how to download data from the internet, how to analyze it and how to present their findings.

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

Students will learn how to showcase their work using Jupyter Notebooks and how to share their work on Github. Students will improve their knowledge of Python and its popular packages for data analysis.

Attendance requirements(%):

Yes

Teaching arrangement and method of instruction: 6 lectures

Course/Module Content:

- Jupyter notebooks
- Github basics
- JSON file format
- API's
- Data Frames
- Product differentiation
- Plotting packages
- K-means method

Required Reading:

N/A

Additional Reading Material:

N/A

Course/Module evaluation:

End of year written/oral examination 60 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 40 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information: