



## *The Hebrew University of Jerusalem*

### *Syllabus*

# **COMPUTERS IN SOCIAL RESEARCH (SPSS+EXCEL) - 51108**

*Last update 26-09-2016*

*HU Credits:* 2

*Degree/Cycle:* 1st degree (Bachelor)

*Responsible Department:* psychology

*Academic year:* 0

*Semester:* 1st Semester

*Teaching Languages:* Hebrew

*Campus:* Mt. Scopus

*Course/Module Coordinator:* Dr. Benjamin Czaczkes

*Coordinator Email:* [msbc@mssc.huji.ac.il](mailto:msbc@mssc.huji.ac.il)

*Coordinator Office Hours:* See Moodle

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Teaching Staff:

Dr. Roie Knaanie

Mr. Adi Rivlin

Course/Module description:

Excel

Creating and working with Workbooks, using the ribbon, formatting, Excel functions, statistical data analysis using excel, Graphical information display, moving data to SPSS.

SPSS

Data definition and data file manipulation, missing values, t-test, pairwise t-test, one way analysis of variance, planned contrasts, post hoc analysis, ANOVA, regression analysis, selecting partial data for analysis, creating new variables and changing old variables.

Course/Module aims:

Using excel and SPSS to organize and analyze data

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

Analyse data using SPSS and Excel

Summarize data using SPSS and Excel

Compute descriptive statistics on numerical data

Classify populations of data

Apply the statistical argument to the outcome of a quantitative investigation

Carry out commonly used bivariate tests of difference

Use the basic form of the general linear model in SPSS and Excel

Use SPSS to conduct T-test, and Analysis of Variance

Attendance requirements(%):

100

Teaching arrangement and method of instruction: Lectures, Lab work

Course/Module Content:

Excel

Creating and working with Workbooks.

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using the ribbon.  
formatting.  
Excel functions. Statistical data analysis.  
Graphical information display.  
Moving data to SPSS.

### SPSS

Data definition.  
Data file manipulation. Missing values.  
t-test, pairwise t-test, One Way Analysis of Variance.  
Contrasts.  
Post hoc analysis.  
ANOVA.  
Regression Analysis.  
Selecting partial data for analysis.  
Creating new variables and changing old variables.

### Required Reading:

None

### Additional Reading Material:

None

### Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

### Additional information: