



Course program and reading list

Semester 1 Year 2021

School: Baruch Ivcher School of Psychology

Introduction To Statistics A

Lecturer:

Prof. Yaniv Kanat-Maymon ykanat@runi.ac.il

Tutors:

Dr. Michal Kanat-Maymon kanat.michal@runi.ac.il

Dr. Moran Aliman aliman.moran@runi.ac.il

Dr. Karin Zohar Cohen zckarin@runi.ac.il

Course No.:	Course Type :	Weekly Hours :	Credit:
8910	Lecture	2	3.5

Course Requirements :	Group Code :	Language:
Final Exam	211891010	English

Prerequisites

Students who took one of the courses listed below will not be allowed to register to the course Introduction To Statistics A (8910):

8004 - Introduction To Statistics

8149 - Brain and Mind research seminar

Week	Subjects
1	Introduction – population, sample, variable, correlation, causality, research designs
2-3	Scales of measurement, transformations, aggregated scores, tables, charts, shapes of distributions
4-5	Sigma laws, central tendency indices: mean, median, mode, mid-range; effect of transformations
6-7	Dispersions indices: range, inter-quartiles range, variance, standard deviation; effect of transformations
8	Relative position measures: percentiles, Z score
9	The normal distribution
10-12	Correlation coefficients: Cramer, Spearman, Pearson; the effect of linear transformations
13	Summary: descriptive statistics



Course Goals

The purpose of the course is to equip students with basic knowledge in Statistics which will allow them to critically read and understand research reports based on statistical analyses, and enable them to conduct simple statistical analyses. The course will focus on Descriptive Statistics – methods and statistical indexes aimed at describing types of variables, data distribution, and associations between two variables.



Grading

10% - Weekly homework assignments: passing grade on at least 9 assignments.

15% - 3 home-quizzes .

75% - Final exam.



Teaching Assistant

Lecturer: Yaniv Kanat-Maymon, Phd (ymaymon@gmail.com)

Teaching assistants:

Karin Zohar, Phd karin.zoharcohen@gmail.com

Moran Aliman, Phd Moranstudents@gmail.com

Michal Kanat-Maymon, Phd idc2.michalkm@gmail.com

Sahron Riwkes, Phd sharonriwkesIDC@gmail.com



Additional Notes

Disturbing the class by making noise or other disruptions *will not be tolerated*. It is an infringement of the rights of other students to learn, and a disciplinary offense at IDC Herzliya. The lecturer will instruct disrupting parties to leave the classroom immediately. A second offence will automatically be brought before the IDC Disciplinary Board, with significant academic consequences.



Reading List

Gravetter, F.J., & Wallnau, L.B. (2008). Statistics for the Behavioral Sciences (7th edition). Wadsworth, Thomson Learning.