

ISN113

PSYCHOLOGY STATISTICS

Unit Description

In *Psychology Statistics*, students will be provided with an introduction to the fundamental areas of statistics as applied to psychology. Topics explored in this unit include: probability and hypothesis testing, descriptive statistics, inferential statistics, and using statistics to make inferences about one, two, or more than two populations. Furthermore, this unit aims to develop students' knowledge and application of current statistical software programs to various psychological research data sets and the ability to calculate and interpret statistical data.

Required Textbooks and Readings*

Gravetter, F., & Wallnau, L. (2017). *Statistics for the behavioural sciences*. (10th Ed.). Boston, MA: Cengage

**Textbooks may be subject to change prior to the start of semester*

Administrative Details

Associated higher education awards	Duration	Core or Elective	Level	Unit Coordinator	Other Teaching Staff
Bachelor of Psychology	One semester	Core	First year, Semester 2	Dr Helen Nasser	N/A

Unit weighting as a percentage of the year

Unit credit points	Total course credit points
12.5	400

Student workload

No. timetabled hours per week	No. personal study hours per week	Total workload hours per week
4-hours (1 x 2-hour lecture; 1 x 2-hour face-face tutorial)	6-hours	10-hours

Learning Outcomes and Assessments

Learning outcomes for Unit	
I.	Understand, at the fundamental level, the following areas of statistics as applied to psychology: descriptive statistics, inferential statistics, using statistics to make inferences about one, two, or more than two populations
II.	Develop a logical problem-solving approach regarding the choice of the correct statistics to answer various research questions
III.	Develop a working knowledge of the main functions of the current statistical package
IV.	Apply statistical programs to answer specific hypotheses associated with various data sets
V.	Develop the ability to calculate and interpret the following: frequencies, central tendency, variability, standardized distributions, probability and sampling, introduction to both parametric and non-parametric statistical tests

Overview of Assessment Tasks

Assessment Tasks	Weighting (% of total marks for unit)	Unit Learning Outcomes
Laboratory Report [1,000 words]	40%	I, II, III, IV
Tutorial activities [Various data collection and statistical analysis exercises]	30%	I, II, III, IV, V
Examination [60 item multiple choice items and 5 short answer test items]	30%	I, II, V

Delivery mode

Face to face on site; Full-time or Part-time study

Pre-requisites and co-requisites

Pass grade in all Year 1, Semester 1 units

Other Resource and Requirements

None.

**Unit outlines may be subject to change. The most up-to-date outlines will be provided to students once the semester commences*