

ISN113 Psychology Statistics

Unit Description

In **Psychology Statistics**, students will acquire a fundamental understanding of 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. Students will further develop a logical problem solving approach to answer various research questions, develop a working knowledge of the main functions of the current SPSS package and application of SPSS programs to answer specific hypotheses associated with various 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	TBA	TBA

Learning Outcomes and Assessments

Learning outcomes for Unit	Assessment tasks		
	Type	When assessed – year, session and week	Weighting (% of total marks for unit)
Acquire a fundamental understanding of 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	Exam [60 item multiple choice items and 5 short answer test items]	Year 1, semester 2, week 14	40%
Develop a logical problem solving approach regarding the choice of the correct statistics to answer various research questions	Exam – see above		
Develop a working knowledge of the main functions of the current SPSS package	Laboratory report [1500 words]	Year 1, semester 2, week 10	40%
Application of SPSS programs to answer specific hypotheses associated with various data sets	Laboratory report – see above		

Learning outcomes for Unit	Assessment tasks		
	Type	When assessed – year, session and week	Weighting (% of total marks for unit)
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	Tutorial activities (various data collection and statistical analysis exercises)	Year 1, throughout semester 2	20%

Delivery mode

Face to face on site with E-learning (online) components;

Full-time or Part-time study

Pre-requisites and co-requisites

Successful completion of all year 1, semester 1 units.

Other Resource and Requirements

None

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 (1x2 hour lecture; 1x1 hour face-face tutorial and 1x1 hour online activities)	6	10

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