

Module Information

2022.01, Approved

Summary Information

Module Code	4502PSYSLI
Formal Module Title	Research Methods and Statistics in Psychology 1: Relationships and Associations
Owning School	Psychology
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Sri Lanka Institute of Information Technology

Learning Methods

Learning Method Type	Hours
Lecture	10
Workshop	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	1. To introduce the tools for carrying out a literature search.2. To develop an understanding of basic statistical concepts, descriptive statistics, correlation, and chi square.3. To use SPSS to carry out statistical analyses.4. To give practical experience of correlational and observational (analysed qualitatively and quantitatively) research methods.5. To develop practical report writing skills.
------	--

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Write a practical report conforming to APA style.
MLO2	2	Employ the appropriate statistical test, and interpret its outcome.
MLO3	3	Demonstrate a basic knowledge of the generic principles of research design, and statistical analysis.

Module Content

Outline Syllabus	The module will explore different approaches to research design, for example, experimental, observational and survey, as well as within and between subject approaches. Data analysis will explore scales of measurement, descriptive statistics, variance and standard deviation, correlation and chi-square using SPSS. The module will explore research report writing. Students will gain experience of observations from a qualitative and quantitative perspective, and will develop awareness of ethical principles and processes in research design.
Module Overview	
Additional Information	This module provides students with a practical introduction to how to design an experiment, collect data in an ethical manner, perform statistical analysis and write up findings in a manner consistent with published material. Throughout the module students will be required to use computers to conduct literature searches and to perform statistical analysis. In the module students will be introduced to the basic principles of research design and descriptive analysis, they will then learn more complex statistical tests for relationships (correlation) and associations (chi squared). Students will gain practical experience of observations and will compare and contrast qualitative and quantitative methods of observational research. Students will demonstrate their learning through the coursework task by writing a scientific practical report and an additional results section. Both components together ensure both depth and breadth of understanding.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Practice	Portfolio	100	0	MLO3, MLO1, MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Simon Cooper	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------