

Liverpool John Moores University

Title: DATA ANALYSIS: QUALITATIVE AND QUANTITATIVE APPROACHES
Status: Definitive
Code: **7004MRADV** (106881)
Version Start Date: 01-08-2014

Owning School/Faculty: Nursing and Allied Health
Teaching School/Faculty: Nursing and Allied Health

Team	Leader
Akhtar Wallymahmed	Y

Academic Level: FHEQ7 **Credit Value:** 20.00 **Total Delivered Hours:** 40.00
Total Learning Hours: 200 **Private Study:** 160

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	24.000
Practical	10.000
Tutorial	6.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Coursework: 100% Write a research report with fictitious data that will be provided using the conventional methods. 3,000 words	100.0	

Aims

To enable the student to develop skill and expertise in a wide range of qualitative and quantitative data analysis using commercially available software packages.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate the concept of measurement
- 2 Demonstrate an expertise in the appropriate use of the bivariate and multivariate statistical tests.
- 3 Demonstrate skill in the analysis of non-numerical data
- 4 Demonstrate skill/knowledge in the methods used to measure validity and reliability
- 5 Analyse numerical and non-numerical data using commercially available computer packages

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Writing Research Report	1	2	3	4	5
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Outline Syllabus

Concept of measurement, preparing data for analysis, data coding, identifying themes.

Descriptive statistics, Bivariate tests:- (t-test, correlation linear regression).

Multivariate tests - Anova, Multiple Regression, Chi Square, Factor Analysis, Reliability Studies. Presentation of data.

Text analysis phenomenology, case-studies, contextualisation, historical and sociological analysis.

Learning Activities

Lectures, tutorials and practicals. Students will have practical experience in analysing data using software packages (e.g. SPSS for Windows, Win Max Pro, NVivo).

References

Course Material	Book
Author	Bazeley, P.
Publishing Year	2007
Title	Qualitative Data Analysis with NVivo
Subtitle	
Edition	
Publisher	London: Sage Publications
ISBN	

Course Material	Book
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Author	Field, A.
Publishing Year	2005
Title	Discovering Statistics Using SPSS
Subtitle	
Edition	
Publisher	London: Sage Publications
ISBN	

Course Material	Book
Author	Kranzler, J. H.
Publishing Year	2007
Title	Statistics for the Terrified
Subtitle	
Edition	
Publisher	New Jersey: Pearson Education
ISBN	

Course Material	Book
Author	Lewins, A. & Silver, C.
Publishing Year	2007
Title	Using Software in Qualitative Research
Subtitle	
Edition	
Publisher	London: Sage Publications
ISBN	

Notes

This module covers the methods of analysis data (both qualitative and quantitative). The emphasis is on a practical approach to data analysis using commercially available software.