Liverpool John Moores University

Title:	INTRODUCTION TO QUANTITATIVE APPROACHES
Status:	Definitive
Code:	**7103MRES** (104194)
Version Start Date:	01-08-2021

Owning School/Faculty: Education
Teaching School/Faculty: Education

Team	Leader
Ian Davies	Y

Academic Level:	FHEQ7	**Credit Value:**	20	**Total Delivered Hours:**	12
Total Learning Hours:	200	**Private Study:**	188		

Delivery Options
Course typically offered: Semester 2

Component	Contact Hours
Lecture	6
Seminar	3
Workshop	3

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Written Work	50	
Portfolio	AS2	Oral Presentation	50	

Aims

To introduce fundamental principles of quantitative data analysis;

To develop competence using appropriate software packages to conduct quantitative data analysis;

To introduce and defend arguments based on the underpinning epistemologies and

ontological frameworks of experimental/empirical research methods and positivist paradigm in contemporary social science research;

To develop a critical appreciation of the purpose, practice and politics of sponsored evaluations and policy analysis.

To develop an understanding of ethical issues and protocol in relation to quantitative research methodologies.

Learning Outcomes

After completing the module the student should be able to:

1   Critically evaluate the fundamental principles underpinning descriptive statistics and be able to apply them to data analysis;
2   Demonstrate a critical understanding of procedures for designing a research sample and producing a questionnaire appropriate for quantitative analysis;
3   Select and apply appropriate software such as Microsoft Excel and SPSS to undertake simple analytical procedures on a data set;
4   Demonstrate a critical understanding of correlational analysis for use in assessing validity and reliability;
5   Engage critically with issues relating to the foundations of empirical/experimental research and positivism in contemporary social science research;
6   Engage critically with the nature and practices of, and methodological issues that underpin, the design and conduct of sponsored evaluations and policy analysis.

Learning Outcomes of Assessments

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

Written Work   1   2   3   4   5   6

Oral Presentation   1   3   4   5   6

Outline Syllabus

Through lectures, seminars, workshops and oral presentations, students will be introduced to the principles of sampling and questionnaire design. They will also receive an introductory application of Microsoft Excel and SPSS as a means to generate descriptive statistics. Following which there will be further opportunities to engage with the principles of correlational analysis in the context of validity and reliability assessment. Through critical discussion, students will also engage with issues relating to the foundations of experimental/empirical research and positivism, and will be later introduced to the interpretive critical reaction against these philosophical movements. 7103MRES will provide students with an appreciation of the nature and practices of sponsored evaluations and policy analysis. Class discussion, pre-readings and group work will be use to facilitate critical engagement with these issues throughout.

Learning Activities

Lectures, seminars, workshops, oral presentations.

Notes

This module will be followed by all full-time and part-time students in year one of the two-year MRes programme.