

RESEARCH TRAINING PROGRAMME FOR MASTERS AND DOCTORAL STUDENTS: STATISTICS

OBJECTIVES

The main objectives of the Statistics Workshops are to:

1. Introduce students to different types of quantitative research designs and methodologies.
2. Provide students with basic concepts, principles, and practices of questionnaire design for collection of useful and meaningful survey data.
3. Introduce students to descriptive and inferential statistics (intermediate level).
4. Equip students to be able to perform basic and intermediate descriptive and inferential statistics using SPSS.
5. Equip students to be able to effectively interpret and communicate data analysis results.

STRUCTURE

The Statistics Workshops will be offered as three to four hours per week meeting offered for 24 weeks. The meetings will be held mostly on Thursdays from 9:00 to 12:00 on MS Teams with a few being conducted at 13:00 -16:00.

DATE	THEME	TIME	LINK
31 March	Quantitative Research Designs	09:00 - 12:00	https://bit.ly/3CbHoVj
07 April	Introduction to SPSS (Data management)	09:00 - 12:00	
14 April	Descriptive Statistics in SPSS	09:00 - 12:00	
21 April	Sample Selection Techniques	09:00 - 12:00	https://bit.ly/3pJ2VzQ
12 May	Bivariate Analysis (parametric tests) in SPSS	09:00 - 12:00	
19 May	Sample Size Determination	09:00 - 12:00	https://bit.ly/3Klz6gz
26 May	Data Analysis Plan	13:00 - 16:00	https://bit.ly/3hHMq2L
09 June	Data collection/Questionnaire design	09:00 - 12:00	https://bit.ly/3vOpKpB
16 June 23	Quantitative Research Designs	09:00 - 12:00	https://bit.ly/3HLPVzB
23 June 14 July	Descriptive Statistics	13:00 - 16:00	https://bit.ly/3MtoZYP
14 July 28 July	Hypothesis Testing	09:00 - 12:00	https://bit.ly/3INPIx6
28 July 04 August	Chi-squared tests, T-tests, Anova, Pearson's Correlation Coefficient	09:00 - 12:00	https://bit.ly/3INPIx6
04 August	Descriptive Statistics in SPSS	09:00 - 13:00	
11 August	Bivariate Analysis (parametric tests) in SPSS	09:00 - 13:00	
25 August	Non-parametric Tests (Theory and Practical in SPSS)	09:00 - 12:00	
01 September	Introduction to SPSS (Data management)	09:00 - 12:00	
22 September	Regression Analysis (Theory and Practical in SPSS)	09:00 - 13:00	
06 October	Introduction to SPSS (Data management)	09:00 - 13:00	
13 October	Descriptive Statistics in SPSS	09:00 - 13:00	
20 October	Bivariate Analysis (parametric tests) in SPSS	09:00 - 13:00	
03 November	Exploratory Factor Analysis (Theory and Practical in SPSS)	09:00 - 12:00	
17 November	Introduction to SPSS (Data management)	09:00 - 12:00	
24 November	Descriptive Statistics in SPSS	09:00 - 12:00	
1 December	Bivariate Analysis (parametric tests) in SPSS	09:00 - 12:00	