

ECAS7001: Applied Research Design and Analysis (ARDA)**Weekly Planner**

Date	Recorded lectures 2-4pm	Synchronous session 4-6pm	Online Clinic 6-7pm
3rd Oct	1 hr: Module Overview 1hr: Basics of Research Methods and Statistics	Discussion of research paper linked to dataset being used throughout the module. SPSS: demo of large dataset and codebooks	Run through module assessments and on hand to answer any questions about the module
10th Oct	Quantitative design: 1 hr: Questionnaires, Scales & Psychometrics 1hr: SPSS data processes: totalling, reverse scoring, etc.	Managing scale data in SPSS: run through on how to recode, reverse score, compute totals, create subscales, and run reliability analysis.	Assessing the psychometric properties of measures Available to answer any questions in preparation for first practical skills assessment.
17th Oct	Practical Skills Assessment 1 – 60 minutes		
24th Oct	1 hour: Sample size, power, effect size, confident intervals 1 hour: Screening and Cleaning data	Worksheet: Sample size, writing Power Statements, Confidence Intervals Worksheet: Screening and Cleaning data	Making sense of statistical and clinical significance
Reading Week 30th October – 3rd November (no scheduled teaching)			
7th Nov	Basic Statistical analysis: t-test	Worksheet: running t-test analysis, and calculating effect size	Discussion on second practical skills assessment
14th Nov	Practical Skills Assessment 2 – 120 minutes		
21st Nov	Statistical approaches in applied psychology 1: Complex designs 1 hour: Introduction to ANOVA 1 hour: Complex ANOVA, Interactions and post-hoc analyses	Understanding data for analysis: working with complex datasets	Understanding ANOVA outputs
28th Nov	Statistical approaches in applied psychology 2: 1 hour: Multiple Regression and longitudinal designs 1 hour: Moderation and mediation in Multiple Regression	Worksheet: Multiple Regression Conducting and reporting more than one type of analysis in applied research	Wrap-up of quantitative section of module Discussion on Quantitative Results Report write-up assessment
5th Dec	Qualitative research design and analysis 1: 1 hour: Qualitative Methods 1 hour: Planning qualitative research	Group discussion: planning qualitative studies in Applied Settings - Interviews and focus groups + developing good interview questions	Thematic Analysis
12th Dec	Qualitative research design and analysis 2: 2 hours: IPA	Analysing Qualitative data through IPA	Discussion on Qualitative Results Report write-up assessment