

SOU33163 — Managing Quantitative Data for Research

Module Information	
Module Code	SOU33163
Module Title	Managing Quantitative Data for Research
Department	Sociology
Year Group	Junior Sophister
Module Personnel	Joonghyun Kwak
Academic Year	2026–27
Credit Weighting	5 credits
Semester	Semester 1
Contact Hours	1 lecture and 1 tutorial per week

Module Content	
Module Description	This module introduces students to the fundamental principles and practical skills of quantitative data management and analysis. While statistical techniques and the interpretation of results are covered in other quantitative methods modules, real-world research involves a broader range of practical tasks. These include searching for, downloading, and organising data; creating, labelling, naming, and validating variables; and thoroughly documenting and preserving research outputs. In addition, syntax and do-files must be clearly structured and properly archived to ensure transparency and reproducibility. This module focuses on these essential aspects of quantitative data management. Through hands-on experience with widely used statistical software such as Stata and Excel, students will develop practical skills that improve the efficiency and reliability of their research. The module also provides key preparation for students intending to undertake a fourth-year quantitative dissertation project.
Module Learning Aims	
Learning Outcomes	Students who successfully complete this module will be able to:

Module Content

	• Search for and download quantitative data relevant to specific research questions; • Measure key sociological concepts, such as socio-economic status and educational attainment; • Handle missing data and account for complex survey designs using suitable weighting techniques; • Manage and archive datasets and syntax files to ensure reproducibility.
Indicative Reading / Resources	

Assessment

Assessment Components	Research project 40%, Presentation 20%, Lab assignments 40%
Assessment Details	

Additional Information

Prerequisites	None
Co-requisites	None
Any other information	