

QS205-15 Intermediate Social Analytics: survey analysis and reporting

20/21

Department

Politics & International Studies

Level

Undergraduate Level 2

Module leader

Jamelia Harris

Credit value

15

Module duration

9 weeks

Assessment

100% coursework

Study location

University of Warwick main campus, Coventry

Description

Introductory description

QS205-15 Intermediate Social Analytics: survey analysis and reporting

[Module web page](#)

Module aims

This module is designed to enable students to analyse and report on the data collected through module QS204. Together with QS204 this module helps students develop knowledge and experience of the quantitative research cycle from initial design through to reporting.

Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

Week 1 – Introduction to the course, learning objectives, assessment and teaching methods. Reflection on module QS204. Primary data management, testing for completeness, accuracy and reliability. Stata data management techniques.

Week 2 – Bivariate associations and hypothesis testing. Preparing data and testing associations

Week 3 - OLS Regressions: Developing and testing bivariate regression models

Week 4 – Multivariate Regressions I: Developing and testing multivariate regression models

Week 5 – Multivariate Regressions I: Non linearity and OLS Assumptions

Week 6 – Study week. Summative assessment 1 due.

Week 7 – Logistic Regression: working with categorical dependent variables

Week 8 – Reporting the results: tables and graphs in Stata.

Week 9 – Reflection on learning through the module. Planning for the assessment.

Week 10 – Individual presentations reflecting on the survey analysis and design process.

Learning outcomes

By the end of the module, students should be able to:

- Analyse the validity and reliability of primary data collected through a survey
- Develop a strategy for dealing with missing observations and variables
- Explore associations within the data collected
- Model a multivariate association using Stata
- Report on the substantive findings from their research

Indicative reading list

Hamilton, L. C. (2013). *Statistics with STATA Version 12*. Brooks/Cole Cengage Learning.

Pollock, P.H. (2016). *The essentials of political analysis* (fifth edition). SAGE.

Halperin, S. & Heath, O. (2012). *Political Research: Methods and Practical Skills*. Oxford University Press.

Additional material provided via: Lab sheets, Stata's help function, Tutorials and videos on Moodle page

[View reading list on Talis Aspire](#)

Research element

Students analyse data and produce a technical report and report on findings based on a research question.

Subject specific skills

Data Analysis

Using statistical software packages - Stata

Research skills

Transferable skills

Data Analysis
Using statistical software packages - Stata
Research skills

Study

Study time

Type	Required
Lectures	9 sessions of 1 hour (6%)
Seminars	2 sessions of 2 hours (3%)
Practical classes	7 sessions of 2 hours (9%)
Private study	123 hours (82%)
Total	150 hours

Private study description

123 Private Study Hours

Costs

No further costs have been identified for this module.

Assessment

You must pass all assessment components to pass the module.

Assessment group A1

	Weighting	Study time	Eligible for self-certification
Assessment component			
Assessed Report	30%		Yes (extension)
Technical report			

Reassessment component is the same

	Weighting	Study time	Eligible for self-certification
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Assessment component

Assessed Report Report on findings	60%		Yes (extension)
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Reassessment component is the same

Assessment component

Assessed presentation Reflective presentation on the survey design and analysis	10%		Yes (extension)
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Reassessment component is the same

Feedback on assessment

There will be two formative assessments in week 4 and week 8 with written feedback within 20 working days.

Availability

Pre-requisites

To take this module, you must have passed:

- All of
 - [QS204-15 Intermediate Social Analytics: survey design and data collection](#)

Courses

This module is Core for:

- Year 2 of UPOA-M162 Undergraduate Politics, International Studies and Quantitative Methods

This module is Core optional for:

- Year 3 of ULAA-ML33 Undergraduate Law and Sociology

This module is Optional for:

- Year 2 of USOA-L301 BA in Sociology
- Year 2 of USOA-L314 Undergraduate Sociology and Criminology

This module is Option list A for:

- ULAA-ML34 BA in Law and Sociology (Qualifying Degree)
 - Year 3 of ML34 Law and Sociology (Qualifying Degree)
 - Year 4 of ML34 Law and Sociology (Qualifying Degree)
- Year 4 of ULAA-ML33 Undergraduate Law and Sociology
- Year 3 of UPOA-M168 Undergraduate Politics and International Studies with Chinese

This module is Option list C for:

- Year 2 of UHIA-VM11 Undergraduate History and Politics

This module is Option list D for:

- Year 2 of UHIA-VL13 Undergraduate History and Sociology