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Economic Data Analysis I - ECO00017C

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- **Department:** Economics and Related Studies
- **Module co-ordinator:** Dr. Mathilde Peron
- **Credit value:** 10 credits
- **Credit level:** C
- **Academic year of delivery:** 2020-21
 - See module specification for other years: [2018-19](#) [2019-20](#)

Related modules

Pre-requisite modules

- None

Co-requisite modules

- [Probability I \(ECO00011C\)](#).
- [Statistics I \(ECO00012C\)](#).

Prohibited combinations

- None

Module will run

Occurrence

A

Teaching cycle

Spring Term 2020-21

Module aims

- To introduce students to the types of data that are used in Economics and how to find or create relevant datasets, including official surveys and statistics
- To introduce students to the skills required for collection, description and interpretation of data
- To illustrate key areas of data description and analysis in ways that complement the theoretical treatment in Probability 1 and Statistics 1, and prepare students for further development in the Econometrics for Economists module in the second year
- To introduce students to relevant computer software for collection, management, description and visualisation of data

Module learning outcomes

1. Why is data important in Economics and what kinds of data are used by economists?
2. How to find or create data that is relevant for economic analysis.

3 How to manage data and assess its quality.

1. How to measure economic variables in a reliable way.
2. How to describe and interpret data using statistical tools and exploratory data analysis.
3. How to visualize data in a clear and meaningful way.

Each topic will be motivated by examples from real world data and will be motivated by economic phenomena and applications of economic ideas drawn from a broad range of topics that span the programme. Each topic will be presented by lectures and associated computer sessions where the intention is to keep the material presented as data-driven or experiment-driven as possible.

Computer Sessions

The computer sessions associated with each topic will introduce students to data presentation and analysis using relevant software. Students will learn how to collect suitable data, transform data to make it suitable for analysis and how to follow a path of analysis which can be presented in a report.

Assessment

Task	Length	% of module mark
Essay/coursework Economic Data Analysis I - Project presentation	N/A	100

Special assessment rules

None

Reassessment

Task	Length	% of module mark
Essay/coursework Economic Data Analysis I - Project presentation	N/A	100

Module feedback

Feedback for this module is provided by:

ONLINE QUIZZES

- Regular online quizzes on this VLE page, these will be marked automatically and provide feedback on your answers.

FEEDBACK FROM STAFF

- Advice from staff and teaching scholars during the computer practical sessions.
- Office hours of the academic staff and teaching scholars who deliver the module.
- A report on performance in the assessment for this module.

Indicative reading

Reading lists are available in EARL

The information on this page is indicative of the module that is currently on offer. The University is constantly exploring ways to enhance and improve its degree programmes and therefore reserves the right to make variations to the content and method of delivery of modules, and to discontinue modules, if such action is reasonably considered to be necessary by the University. Where appropriate, the University will notify and consult with affected students in advance about any changes that are required in line with the University's policy on the [Approval of Modifications to Existing Taught Programmes of Study](#).

Coronavirus (COVID-19): changes to courses

The 2020/21 academic year will start in September. We aim to deliver as much face-to-face teaching as we can, supported by high quality online alternatives where we must.

Find details of the measures we're planning to protect our community.

[Course changes for new students](#)