## Kent Vision Code and title of the module

ECON8471 Research Skills for Economics and Data Science

## Division and School/Department or partner institution which will be responsible for management of the module

Division of Human and Social Sciences, School of Economics

## The level of the module (Level 4, Level 5, Level 6 or Level 7)

Level 7

## The number of credits and the ECTS value which the module represents

5 credits (2.5 ECTS)

## Which term(s) the module is to be taught in (or other teaching pattern)

Spring

## Prerequisite and co-requisite modules and/or any module restrictions

None

## The course(s) of study to which the module contributes

This is a compulsory module for the:

* MSc in Economics and Data Science (Double Award)

## The intended subject specific learning outcomes. On successfully completing the module students will be able to:

8.1 Identify the topic of recent application, or an existing case study, of using big data analysis in its relation to a well-defined economics question

8.2 Understand how to work with some of the key mathematical and statistical methods applicable to the chosen topic

8.3 Identify sources of data, bibliographic and other information relevant to the chosen topic or case study.

## The intended generic learning outcomes. On successfully completing the module students will be able to:

9.1 Ask stimulating research questions by critically assessing gaps in significant areas of theory and practice

9.2 Contribute to existing research debates through proposing own transformative solutions

9.3 Bridge advanced research questions with high-performance applied and professional work with big data.

## A synopsis of the curriculum

The module consists of preparation of a 1-page initial proposal of a research question that involves significant Data Science content. Initial proposal needs to be submitted by the end of Week 26. Upon review of the proposal by the DoGS (taught) the student is allocated a supervisor. Using appropriate communication methods (e.g. online of face-to-face meetings), the supervisor helps the student better articulate their research question. For the rest of the term the student works on an extended proposal of research question. By the end of Week 35 the student submits the extended proposal along with annotated bibliography and description of expected results.

## Reading list

The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

## Learning and teaching methods

Private Study: 47

Contact Hours: 3

Total: 50

## Assessment methods

* 1. Main assessment methods
* Initial topic proposal (20%)
* 1,000 words extended research proposal (80%)
  1. Reassessment methods
* Reassessment Method: 100% coursework

## Map of module learning outcomes (sections 8 & 9) to learning and teaching methods and methods of assessment (section 13)

**Module learning outcomes against learning and teaching methods:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Module learning outcome | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** |
| Drop-in sessions | **x** | **x** | **x** | **x** | **x** | **x** |
| Informal communication | **x** | **x** | **x** | **x** | **x** | **x** |

**Module learning outcomes against assessment methods:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Module learning outcome | 8.1 | 8.2 | 8.3 | 9.1 | 9.2 | 9.3 |
| Initial topic proposal | **x** | **x** | **x** | **x** | **x** | **x** |
| Extended research proposal | **x** | **x** | **x** | **x** | **x** | **x** |

## Inclusive module design

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

## Campus(es) or centre(s) where module will be delivered

Canterbury

## Internationalisation

The module is part of the newly created double degree MSc course in Economics and Data Science, jointly run with Aix Marseille University (France).

**DIVISIONAL USE ONLY**

**Module record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

| Date approved | New/Major/Minor revision | Start date of delivery of (revised) version | Section revised (if applicable) | Impacts PLOs (Q6 & 7 cover sheet) |
| --- | --- | --- | --- | --- |
|  | New | September 2023 |  |  |
|  |  |  |  |  |