

Portfolio assignment

1. The assignment

The aim of this assignment is to give you the opportunity to apply the skills you have learnt throughout this module. We have covered the requirements of each submission within the taught element of this course. You should complete each activity as you work through the module materials, using the notes as guidance.

For the portfolio assessment you are expected to submit four pieces of work.

2. This assignment contributes 30% to the final mark of this module.

3. Individual work and academic integrity

This is an individual assignment. Whilst it is natural to consult with your course mates, or to help each other with unfamiliar software or tasks, it is not permitted to share research, ideas, data or text that form any part of this report/essay.

Students must also be careful to avoid plagiarism. Plagiarism means presenting the ideas of others as if they are your own. Examples of plagiarism include failing to cite the sources of ideas and information that are not your own, and copying sections of text from sources that you have read. Collusion and plagiarism are both serious types of academic malpractice. If we suspect that these or other breaches of academic integrity have occurred then they will be investigated according to university protocols. For LUU information and advice on 'Plagiarism, Fraudulent or Fabricated Coursework and Malpractice') see: <https://leedsuniversityunion.knowledgeowl.com/help/plagiarism>

For Skills@Library information on academic integrity and how to avoid plagiarism see: https://library.leeds.ac.uk/info/1401/academic_skills/46/academic_integrity_and_plagiarism

4. Submission of assignment

The deadline for submission of this assignment is 14:00 (2 pm) on 3rd November 2023

5. Word limit

The word limit for this assignment is 1500-word **equivalent**.

6. Marking criteria

The School's standard coding marking criteria apply. See:

<http://www.geog.leeds.ac.uk/courses/other/programming/info/MarkingScheme.docx>

7. Feedback

Feedback on your coursework will be returned to you 15 working days after the submission date. In cases where this is not possible we will inform you.

8. Further details

Please refer to the module handbook for full details, including referencing, submission, late penalties, and word count policy.

Portfolio Assessment

For this assignment you are asked to submit:

Block One Submissions:

Using data introduced in the course create a visualisation showing the association between two variables. Using skills developed in the practical exercises take any steps required to clean or pre-process the data. It is expected that you will change the default appearance of the markers and include an appropriate title and axis labels. Further marks will be awarded for appropriate use of colour pallets, inclusion of additional categorical variables in the visualisation and other steps taken to ensure effective data visualisation. Write a brief paragraph in markdown (max 300 words) detailing the visualisation choices made.

Block Two Submissions:

Using the course notebooks and lectures as a guide create a static visualisation showing the spatial distribution of a variable of your choice. The type of spatial visualisation chosen should be suitable for the data chosen and appropriate data cleaning and pre-processing steps should be undertaken. Using skills demonstrated in the python notebooks change the default appearance of the visualisation. Include an appropriate title and legend labels. Further marks will be awarded for appropriate use of colour pallets and other customisations to aid interpretation and improve accessibility. Write a brief paragraph in markdown (max 300 words) detailing the visualisation choices made.

Please upload the Jupyter Notebook and all files need to run the notebook analysis as a zip file using the 'Zip file upload' option of Turnitin.

Submission procedure:

All coursework must be submitted electronically via Minerva. Each module and each assessment has an electronic submission area which can be located by following the 'submit my work' link on the left-hand side of the module homepage.

When submitting your project, ensure you submit ALL relevant files (csv, xlsx, shp, geojson, files and additional data files). Marks will be deducted if your work is incomplete (missing shp files etc.), you can also include links to URLs in a separate .txt file if you wish. Place all files into a single zipped file labelled with your Student ID number and upload this using the 'zip file upload' feature of Turnitin. If you have problems submitting your files, e-mail them to Fran Pontin (F.L.Pontin@leeds.ac.uk) BEFORE the deadline.