CASA0007 Group Presentation

The Task

In groups, choose one of the provided dataset, conduct quantitative data analysis, and present the findings through a 10-minute presentation.

Weighting

The Group Presentation makes up 30% of the grade for the Quantitative Methods module.

Groups

Groups will be randomly set by the module leaders and published to all students. Changing groups is generally not permitted. Most groups will consist of four students, but there will be some groups of three if the total number of students is not divisible by 4.

Assessment Criteria

The assessment criteria are available on Moodle.

Process

The group presentation will be in-person, and the timetable will be provided before the presentation. If you are late or absent for the slot assigned for your group, you will get a mark of zero.

Slides should be submitted by **17:00, 10 December 2024, UK Time.** Note that you can only submit once and the slides will be used for the presentation on the lecturer's computer. Please name the submitted document as 'Group_**.pptx' or 'Group_**.pdf', for example, Group_00.pptx and Group_31.pdf.

The **maximum** length of the presentation is **10 minutes**, during which time all members of the group should make a roughly equal contribution. A notification will be given after 8 minutes, a further notification after 10 minutes and the group will be asked to stop immediately if they are still speaking after 10 minutes and 30 seconds.

The timing of your presentation will start once the presentation is on and you are ready to go, and will not pause when group members are switching. Please make sure that group members switch smoothly during the presentation.

We might record your presentations and share the recording on Lecturecast and Moodle. Please keep the recording only within this module.

Data

Please choose one of the following datasets as the key dataset, and augment them with other datasets (e.g. demographic, social, economic, environmental) if necessary. While each dataset contains a wide range of variables across multiple years, you do not need to use all variables or the whole datasets. Please carefully choose the variables and temporal range of data for your work. You are also encouraged to transform or aggregate the selected dataset when formulating the research question and key variables. The selection of spatial scope and unit is crucial. For example, when studying the burglary crime rate in London, it is not suggested to investigate the crime rate in London boroughs, as a borough cover a large area and population and the heterogeneity within a borough is significant.

1. **London crime rates**
   (https://data.london.gov.uk/dataset/recorded_crime_summary)
   This dataset provides crime rates on different spatial scales. We suggest conducting analysis on a few crime types that are related, rather than all crime types. Do some research on the selected crime type(s) and tell an interesting story of it.
2. **Road safety data** (https://www.data.gov.uk/dataset/cb7ae6f0-4be6-4935-9277-47e5ce24a11f/road-safety-data)
3. **Public Transport Accessibility Levels**
   (https://data.london.gov.uk/dataset/public-transport-accessibility-levels)

Content

Your presentation should include:

- Context: what the data is, what the research question is
- Description of key variables and the variables between them, using tables/plots
- Simple analyses relating to the data (e.g. correlations, regression, clustering)
- Visualisations of these analyses

Note that this task is worth 30% grade of the module and the presentation is only 10 minutes in length. You are not expected to produce a dissertation-worthy in-depth investigation of the data; the key is to communicate its key features to the audience as thoroughly and clearly as possible.

In addition, you don't need to use all methods that have been taught in this module. Please select the methods based on your dataset and research questions.

Marking

Your group will be marked according to the assessment criteria for group presentations made available via Moodle. Everyone in the group will initially receive

the same base mark. However, the module leaders may adjust this mark up or down by up to 20 percentage points after consideration of the following two criteria:

a) ***Contribution during the presentation***
A student who contributes significantly less during the presentation than other group members may be marked down.

b) ***Information on the Group Presentation Statement***
If the statement of most members of a group indicates that one student has contributed less than other group members, that student may be marked down.

Group Presentation Statement

After giving the presentation, each group member should independently submit a brief statement on how much each group member contributed to the overall task. The statement is an online Microsoft form (see link on Moodle). The deadline for submitting the statement is **17:00, 13 December 2024, UK Time**.

The purpose of this statement is to provide a mechanism for situations where one (or more) members of a group have failed to engage with the task and have therefore contributed significantly less than others. In such cases, it is reasonable for the other members to expect a greater weighting of marks than the student who has not engaged.

The statement is not designed to micro-adjudicate situations where all members have made a reasonable contribution. In collaborative work, it is almost impossible to guarantee an absolutely equal contribution from all parties.