Coursework Preparation and Peer Feedback

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The aim of today’s session is to help you formulate and begin exploring your research question. Towards the end of the session, you will need to seek feedback on your idea and any work carried out to date from your peers. The feedback you receive should be reflected on in your final report.

## Coursework Preparation (1h)

Complete the following sections with details of your investigation.

**RESEARCH QUESTION**

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| [use this section to summarise the issue(s) your research will investigate. Explain why you think this is an important topic to study] |

**MOTIVATION**

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| [use this section to describe your motivation for selecting this specific research question, i.e., what interests you about the topic? what other competing topics did you consider investigating?] |

**MEASURES OF INTEREST**

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| [use this section to describe any measures or statistics you think might be relevant to your investigation. For example, an investigation into speeding might include measures such as the number of speed cameras or fines given.] |

**DATA SOURCES**

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| [use this section to list sources of data you believe are relevant to exploring your research question. For each source you should:   * detail who compiled the data * state the format the data is available in and what time-period it covers * comment on its reliability and trustworthiness * provide a reference to where the data can be obtained] |

**DATA PREPARATION**

Considering your research question, carry out any data preparation steps you feel are necessary to begin exploring your data.

For example, do you need to extract a section of data covering a specific geography? Do you need to perform any data cleaning? Do you need to create any computed fields based on the values of other pieces of data?

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| [use this section to describe the steps you took to prepare the data and check that it is in an acceptable shape. You should give details of any tools you used.] |

**EXPLORATORY ANALYSIS**

Based on the measures you identified earlier, and other relevant fields present in your dataset, carry out an exploratory analysis. Your aim should be to build up your understanding of the dataset and its characteristics.

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| [use this section to paste any charts or tables that you have created to conduct the exploratory analysis. Describe what each chart or table shows and summarise the main findings.] |

**STORYTELLING**

Based on the analysis you have conducted to date; think about the narrative you would like to create to deliver your findings. You should use the material from LW8 for possible ideas of how to build tension and capture people’s attention.

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| [use this section to describe the story you would like to tell and what impact your analysis might have on people’s perception of your research topic. How might you create tension? What visual encodings have you considered using? What colour schemes or visual formatting might be most appropriate? How are you going to organise your visuals?] |

### You should use the remaining time to continue working on your coursework until the peer review process begins.

## Peer Review (30m)

For peer review, each student will provide feedback on another student’s coursework preparation and any visualisations created to date.

Each student should therefore email the following items to the person (reviewer) who has agreed to provide feedback on their work.

* A copy of the completed coursework preparation form
* Any Tableau, PowerBI or RScripts files that have been used to create visuals
* Any other supporting files (e.g. Excel worksheets or samples of data)

Reviewers will need to complete the feedback form shown at the end of this document and return it to the reviewee by email.

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| **NB:** Each student should provide peer feedback to **at least one** other student. The feedback received will need to be summarised and incorporated into your final coursework submission. |

# Data Visualisation Feedback Form

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| Report title |  |
| Name/Id of student seeking feedback |  |
| Name/Id of student giving feedback |  |
| Feedback given on (date) |  |
| Reviewer’s comments (what is good, what could be improved?) | |
| Research question | |
|  | |
| Data acquisition | |
|  | |
| Data preparation | |
|  | |
| Data analysis / Narrative | |
|  | |
| Visualisation | |
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| Reviewee’s comments  (What – if anything – did you change in your report after the feedback?) | |
|  | |