

FIT5147 Data Exploration and Visualisation

Assignment 1 | Project Proposal

1. Due Date

11:55pm Monday 23 March 2020

2. Instructions & Brief

This assignment is part of unit-long project where you get a chance to analyse and explore some data of your choice, and develop an interactive web-based visualisation (a web app) to tell your data story.

Assignment 1 is the first part of this process, where you submit a project proposal.

Assignment 3 outlines the entire project and how to develop and report on your subsequent visualisation.

For this particular assessment task, you are required to submit a project proposal (purpose, value, data source, some preliminary data explorations, etc.) of your term-long Data Exploration and Visualisation Project. It is an individual assignment and **worth 10%** of your total mark for FIT5147.

Once you complete this assignment, you will need to continue the development of your project and submit the final product and report as Assignment 3: Data Exploration and Visualisation Project Final.

Relevant learning outcomes for FIT5147:

- 1. perform exploratory data analysis using a range of visualisation tools;
- 2. describe the role of data visualisation in data science and its limitations;
- 5. choose an appropriate data visualisation;

Project proposal

The proposal should contain at least the following information:

1. Problem description and motivation. This should include at least 3 research questions you intend to answer.
 2. Description of the data source used
 3. Description of the data wrangling process and what cleaning/transformations you will need to do.
 4. Some preliminary exploration of the data using R, Tableau or other tools
 5. Description of what message you want to convey in the project and what the intended audience is.
 6. The current progress of your project and how you plan to complete it.
-

3. Assessment Resources

You will need the following resources in order to complete this assessment item.

- You may need to review the [FIT citation style](#) tutorial to make sure you're familiar with appropriate citing and referencing for this assessment. Also review the [demystifying citing and referencing](#) for help.
-

4. Assessment Criteria

The following outlines the criteria which you will be assessed against.

Grading Criteria

- Quality of project proposal

The detailed grading rubric of project proposal will be available on Moodle.

Word Count & Penalties

No more than **5 pages** including figures, appendix, etc.

5. How to Submit

Once you have completed your work, take the following steps to submit your work.

1. On Moodle, **upload** your **PDF** report via a Turnitin submission link.
2. Please ensure you name the file correctly using the following format:
LastName_StudentNumber_Assessment#.pdf
e.g., *Finn_21872187_Assessment1.pdf*
3. Click the **Submit** button to submit your assignment.

6. Late Submissions and Special Considerations

Extensions and other individual alterations to the assessment regime will only be considered using the Faculty Special Consideration Policy. Students should carefully read the [Special Consideration website](#), especially the details about what formal documentation is required. You should also contact Monash Online Student Services at [<MonashOnline.StudentSuccess@monash.edu>](mailto:MonashOnline.StudentSuccess@monash.edu) to obtain the special consideration form and information about the necessary documentation you have to submit to support your application.

You need to apply no later than two days after the due date. You should submit your complete application to [<MonashOnline.StudentSuccess@monash.edu>](mailto:MonashOnline.StudentSuccess@monash.edu).

A late submission **penalty** applies (5% per day). Submissions with more than **4 days delay** will not be marked. No distinction is made between weekdays and weekends.