

MSc in Artificial Intelligence and Data Science
Assignment – 771766 Fundamentals of Data Science Presentation

This assignment is worth 30% of the total marks for this module

This assignment should be submitted **on Canvas** as a recorded presentation by **Tuesday 9th April 2024 at 2pm at the latest**. The recording should be 5 minutes in length, but can be 10% longer or shorter (i.e., the strict upper limit is 5 minutes and 30 seconds). Content from after this time limit will not be graded.

Context

The presentation for this module should be based on the early analysis and cleaning of the data from the census project. Please refer to the written assignment sheet for particulars about the data and deeper context of that task.

Feedback from the presentation is intended to help with the final write up of the project (the other assignment for this module).

The Task

Students will record a 5-minute presentation describing their work on the project to date. It is expected that the bulk of this presentation will focus on the actions that they have undertaken in the weeks since the assignment was released, with an emphasis on the cleaning of the data and any early insights that have been produced.

Students should record their presentation and upload it to the relevant assignments tab on Canvas. This can be achieved through e.g. PowerPoint, QuickTime, OBS Studio. If you have trouble recording your talk, please speak to the teaching team for advice.

Grading

You will be graded based on the level of description that you provide, the quality of your reasoning behind some of your choices, and the professionalism of the presentation. A good approach when preparing your presentation is to aim for an audience of data scientists who are not familiar with this exact project. For more detail, see the rubric on the next page.

Please note the following hurdle criterion.

Hurdle Criterion: Presentation is visible and audible

A mark of zero will be awarded to presentations that lack video and/or audio (e.g., only slides are uploaded), and those where the quality is so low that the talk is difficult to follow. For this reason, please check your file before uploading it!

Criteria	0 Marks	Up to 6 Marks	Up to 12 Marks	Up to 20 Marks
Presentation Quality and Structure	The talk had no materials, or the materials were superficial.	The talk had an appropriate structure (beginning, middle, and end), and spelt out the key bits that they had undertaken.	Visualisations were clear and improved the talk, and the methods were similarly clear and provided good insights to the probable outcomes.	All aspects of the presentation were of superior nature and featured a range of different techniques to keep the viewer engaged.
Analysis	The talk had almost no relevant analysis.	The talk showed basic understanding of the cleaning required for the dataset and might include some early results.	Advanced understanding of the cleaning of the dataset was presented including methods of imputation that are (or will) be used on several aspects along with convincing early results.	The talk is of a superior nature and would be suitable for inclusion in (e.g.) next year's cohort's Canvas site.