

Note: the session is being recorded.

CA682i Q&A + Assignment

6th October 2022

What's your progress? (Anonymous poll)

1. Data Fundamentals
2. Data Cleaning and Data Quality
3. Data-driven Visualisations
4. Communicating with Data
5. Data Storage and Privacy
6. Haven't started ... 😅

Visualisation Assignment

Assignment due Tues December 6th 2022 (23:59) via Loop

Create a visualisation that **illustrates a point, answers a question or tells a story.**

Short report (following the template) plus screencast video showing and describing your visualisation

A simple chart on limited data is not sufficient. Remember it is worth 25%. Marking criteria are included in the description.

Use any tool or tools but remember you want to demonstrate your skill.

Assignment Marking Criteria

1. Dataset [30%]:
 - a. “big” data
 - b. showing either data cleaning **or** transformation **or** integration.
2. Visualisation [50%]:
 - a. suitable graph choice;
 - b. difficulty level;
 - c. good design/style;
 - d. use of interactivity **or** animation.
3. Report [20%]:
 - a. follows instructions and template;
 - b. good abstract;
 - c. critique and reflection.

Assignment - good things to know

At **most** 3 separate graphs

Keep your report concise and your video screencast brief.

Not allowed to use the MovieLens, Chicago Crime, New York Traffic or derivative datasets.

Critique and reflect is very important.

Objective: Assessing your graph *selection* and *design* skills.

Assignment - Common Questions

Is my dataset “big enough”, “good enough”?

Remember, at least **1** of the 3 Vs. If it's too small or too clean then you won't have much to write about in the data processing section.

Can you tell me the minimum size (MB, GB, rows) required?

No :-) Recall why “big” data is big but if you can easily open all your data in excel then you're probably not big by volume!

Reminder: three graphs is **a limit, not a target**! A sufficiently complex, thoughtful and interesting graph is all that is required.

You can be inspired by other works but you must implement it yourself. You need to provide code or config details & I reserve the right to ask you to explain your work.