

DA 6233 Fall 2020
Final Project Description

Due date: 11:59 pm, December 01, 2020

The essential tasks in the final project are:

- 1) Answer a problem facing organizations (profit or non-profit), policymakers, consumers, etc., using a publicly available data set
- 2) Visualize the results
- 3) Tell a story

Data

Select a dataset from this list: <https://github.com/ashgreat/DA6233/tree/master/datasets>

The datasets in this list are in a tabular format, which will make working with them more manageable. *As there are more students in this batch than ever before, I may have to add more datasets to this repo. So if you do not have any datasets left for you to use, please wait for me to add new datasets.*

The actual datasets are not available from this link. Instead, each dataset folder consists of a PDF file, which has relevant data download links along with the description of the dataset. If you face any problem in downloading the datasets, please email me immediately so that I can resolve it.

You are free to augment these datasets with other *publicly available* datasets. For instance, if you are working on drug prices dataset, you may merge it with an economic dataset if it helps you tell a better story.

Submission Formats

The final project will be entirely graded on your submission, for which you have two options:

Option 1: Presentation slides or a Tableau Dashboard

You will need to submit a short 10-minute video describing your work. In other words, you will have to do a presentation virtually and record it. In the past, I had a few groups using a combination of slides and Tableau during the presentation. That's perfectly fine. All the group members must present.

The slides can be submitted in HTML, PowerPoint, or Keynote. HTML is the most preferred format. PDFs are acceptable but not preferred. Use a PDF if you are using fonts that are not commonly available.

As video files are large, you are encouraged to share them through Panopto. YouTube and Vimeo are also acceptable. You can password-protect your videos in Vimeo.

Option 2: A written report in HTML format

If you go this route, you will not need to record a video. However, this means that you will have to explain your work in much more detail in writing. The length of this report is in terms of the time to read it. It should be around 20 minutes long.

Grading Criteria

The grading criteria for the submission are as follows: Visualization quality, presentation-quality (if you choose Option 1 above), and overall storytelling. The content of the submission will be graded on the relevance of the topic to practitioners (purely academic visualizations for the sake of it will be graded low), attention to detail, and insight discovery. Pretty visualizations that don't tell us about anything interesting are meaningless.

Submission

On the day of the submission, each group will submit all the material to reproduce your visualizations, including R code, Tableau workbook, complete dataset, or a snippet of the dataset, HTML reports, slides, as well as a link to the video if you selected Option 1.

As Blackboard will allow you to submit only one file, you will have to zip all the submission files and then submit that zipped folder on Blackboard. The easiest way to provide the URL to your video is to paste it in a Word file and submit that file.

If your zipped folder is too big to submit on Blackboard, you can share it through Dropbox, Google Drive, etc. Just paste the link to the cloud storage in a Word file and submit that file on Blackboard. Please make sure that you grant me access to download it.