Final Project Proposal

(due March 10th 7:00p.m)

This document outlines the guidelines for the project proposal. You can start working on the project once your proposal is accepted and graded by your TA on gradescope. The entire final project is worth 25% of your final grade and the proposal takes account for **5%**. There is no late-submission on the proposal.

Submission Guideline
Download this google doc, fill the table and submit it in **PDF** format on Gradescope.

If you need some inspirations please feel free to take a look at:
Showcase of Information is Beautiful Awards

Project Proposal

	Description
Project Topic	Equity Market Analysis
Dataset Description	Attr: ticker, adjusted closing price, date, category, relative percentage performance to the Nasdaq Composite in the past 1 year, Market Capitalization, Total log return of last year, Location. Ex: 'AAPL', '148.5', '2023-03-10', 'Technology', '+52.71', '2.35 trillion', '-0.073', 'California'.
Dataset Link	Will be scraped from "https://finance.yahoo.com/"
Why you chose this particular dataset. What kind of story you aim to deliver	Hint) I choose this dataset because I am interested in trading; I aim to deliver a glance of the historical performance of the top several stocks in the past few years.

(e.g "Sales analysis of company xyz")	
1 plot with 0 Key and 2 values	i) historical stocks prices performance ii) ticker, adjusted closing price, date iii)Linegraph
1 plot with 1 key and 1 value	i) Capital ranking ii) ticker, Market Capitalization iii) Bar chart
1 plot with 2 keys and 1 value	i) Investment by category ii) ticker, category, Total log return of last year. iii) Stacked Bar chart
1 geometric visualization	i) Headquarters of each company ii) Location iii) geojson

1 visualization from - box plot, node-link diagram, adjacency matrix	i) How well each stocks perform compared to the market overall
	ii) ticker, relative percentage performance to the Nasdaq Composite in the past 5 years
	iii) node-link diagram
1 interactivity using Buttons	Capital ranking
1 interactivity using Tooltips (Display data on hover).	Headquarters of each company
1 interactivity using Animation.	Using the radio to change the selection of the first plot ticker.
1 interactivity not learned in class	You can brush over the first plot and examine the highest and lowest closing price for that stock for that time period.
Any creative form of plot you want to try for the five you selected above? (e.g. pictogram)	Stacked plot is stacked with different keys and length compared to being all the same.