1. Github username: Striker 1046, github repository with all of my project information:

https://github.com/Striker1046/Project-5-Data-Science.git

2. Visualizations

- The data that I'm using comes from https://ourworldindata.org/democracy and it is a Distribution of Election Democracy per country in the year 1789 to 2022. This is essentially how democratic are the elections in each country are based on an index called V-Dem. My recreations, due to limitations, only show the data from 2022 however.
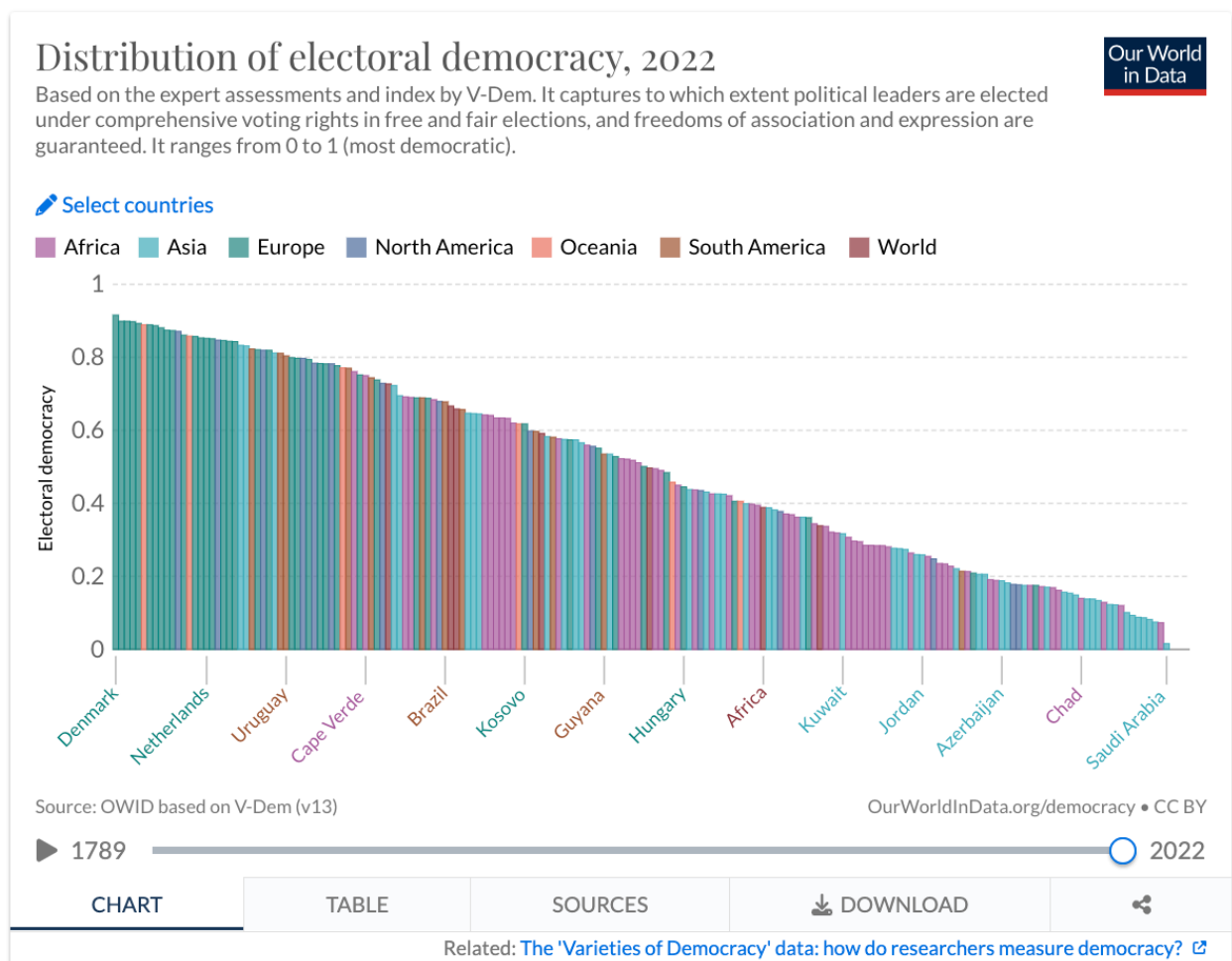

- Working with my own three ways to visualize data, I do have some reflections on the process. First of all, I think the easiest way to create a data visualization was with Microsoft Excel, using the csv file I downloaded from Our World in Data. I also felt like it was the most accurate to the original visualization. However, I do feel like excel is limited

in its capabilities. The same cannot be said for Tableau, as it felt almost overwhelming what I could attempt to do with Tableau. It was my first time using a more advanced data visualization tool, and I bet that with a better understanding of how Tableau worked, I would be able to create a more advanced visualization than any of the other options. It seemed to me like an extremely powerful tool. I think the least effective/manipulative visualization tool was matplot.lib. I felt like I couldn't customize much, and the indexes would stack on top of each other so you couldn't read any of the x labeling. I even tried to use another form of plotting with pandas directly, just to try more graphs, and that didn't really accomplish much either. Overall, I think excel/csv was the easiest/quickest to work with, and the most accurate, but seemed limited in how much I could do if I spent more time working on it. Tableau seemed to be the most powerful, and if I knew how to use it better, I bet I would be able to create a really nice, accurate visualization. Matplot felt the least customizable, communicable, and usable based on my current data set. The screenshots for all of them are below.
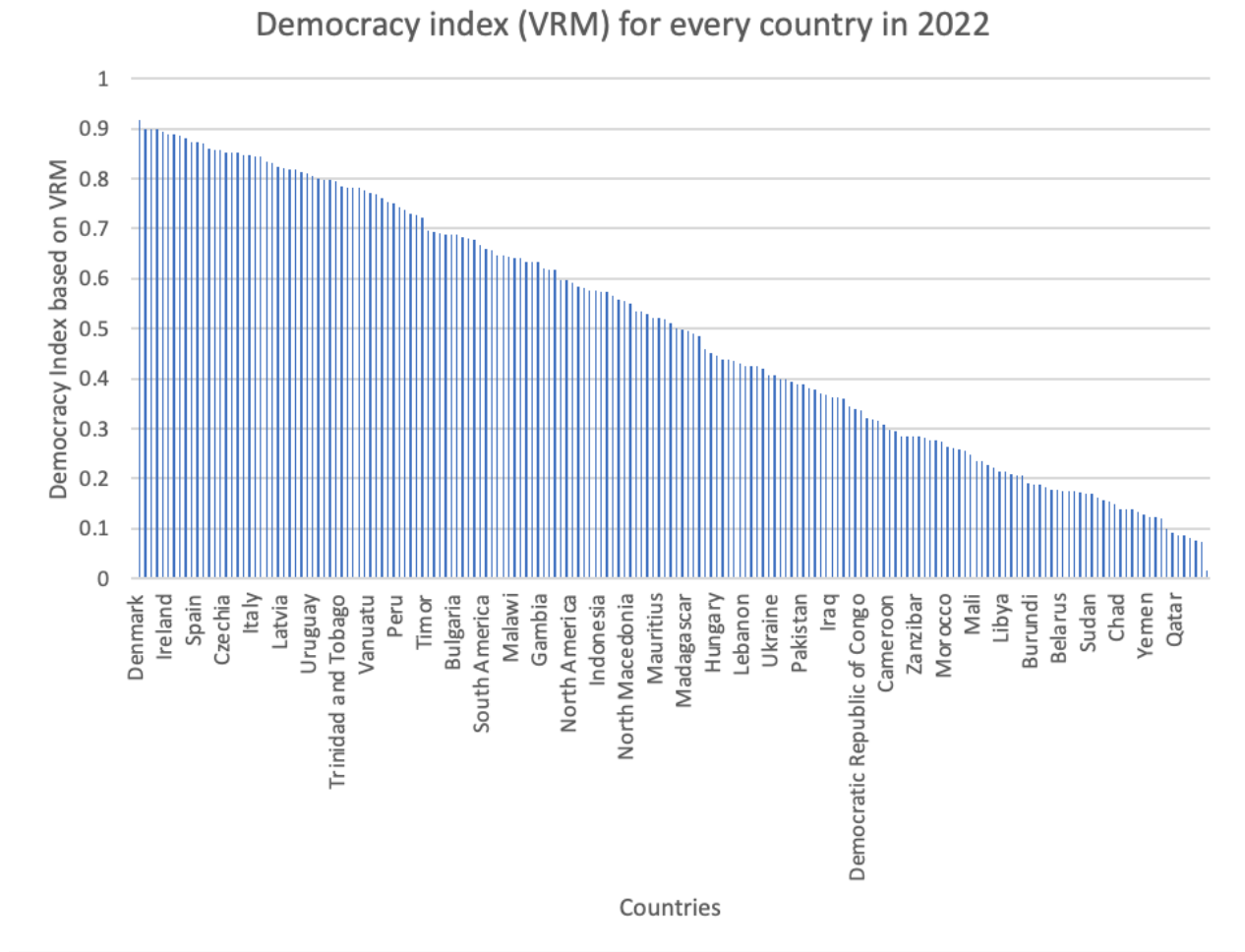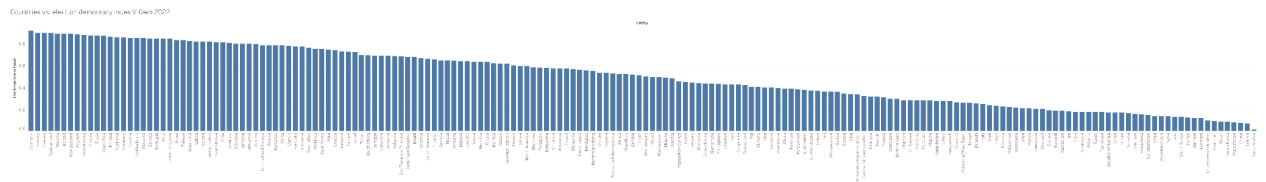
- Matplot graph #1
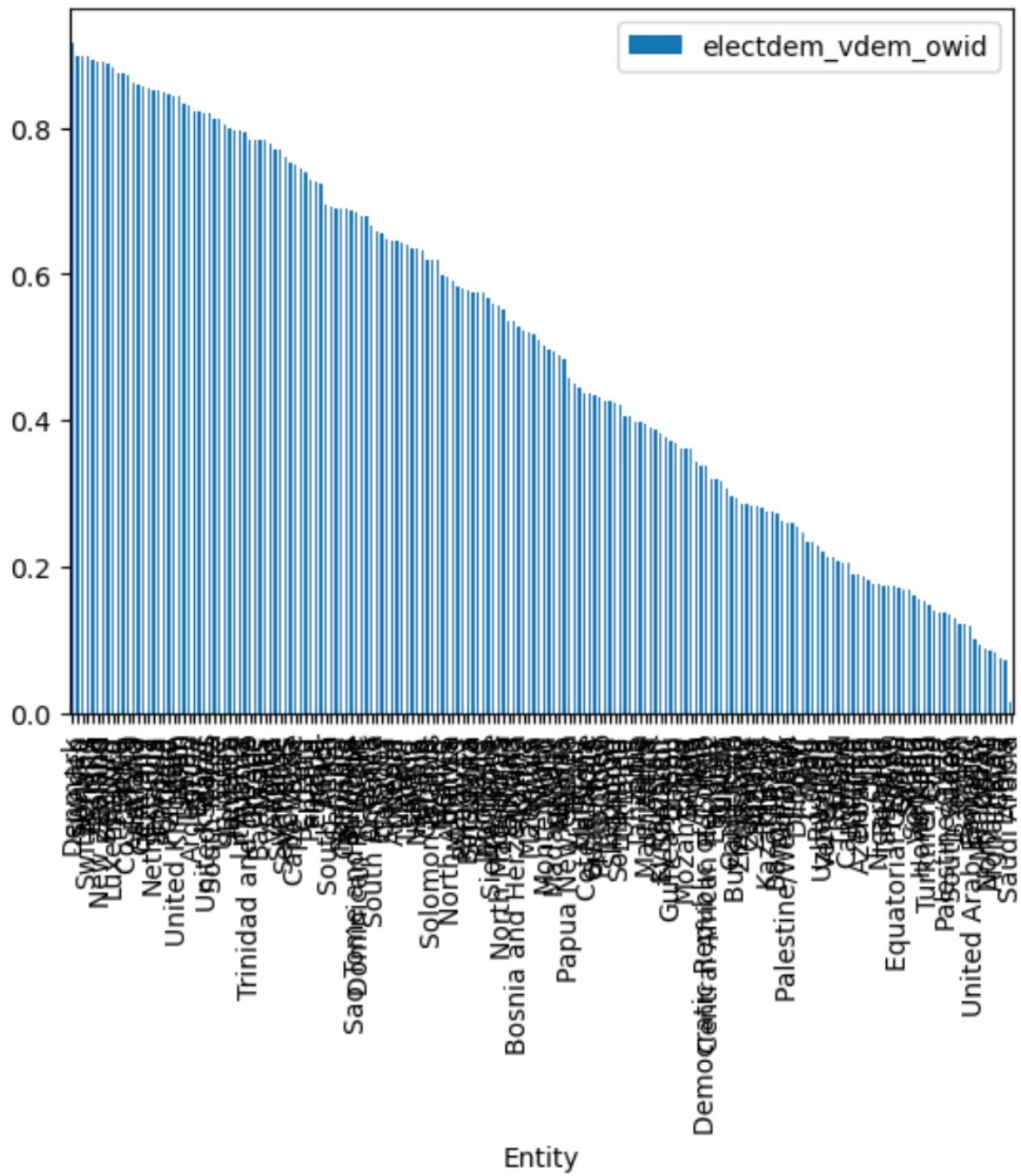
- Matplot Graph #2

- Excel Graph

Democracy index (VRM) for every country in 2022
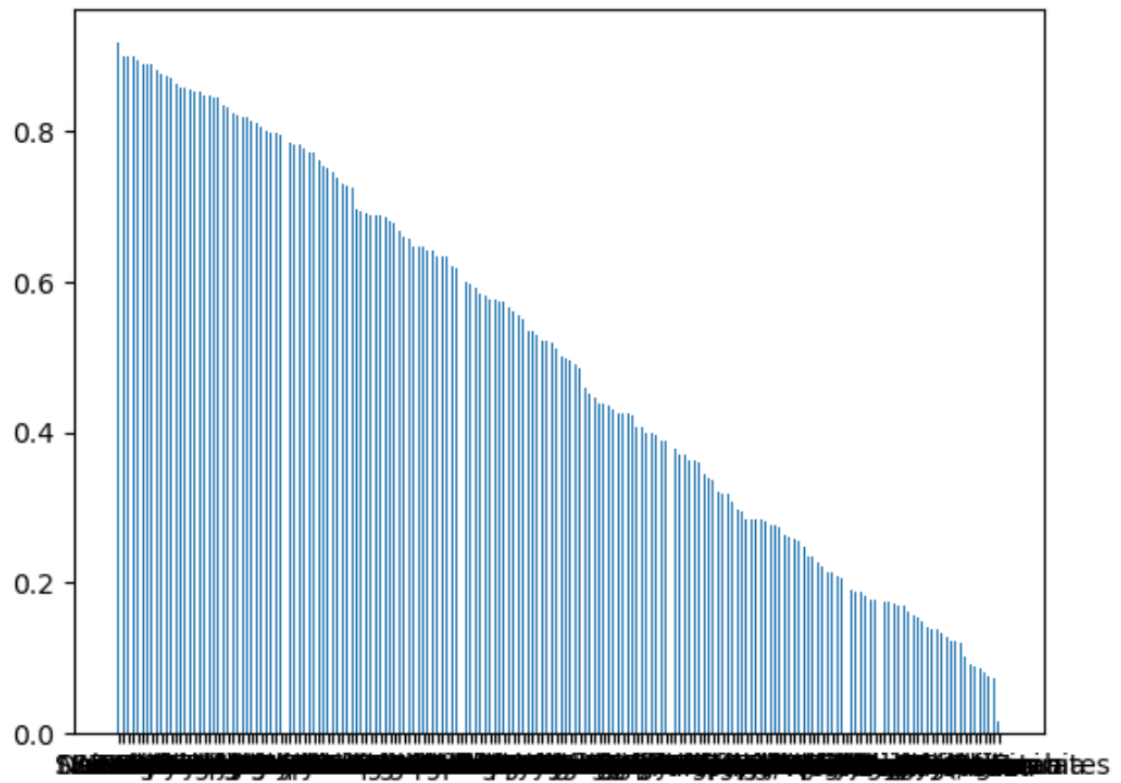
- Tableau Graph

3. I requested my personal data from Google, Instagram, TikTok