

Project 5

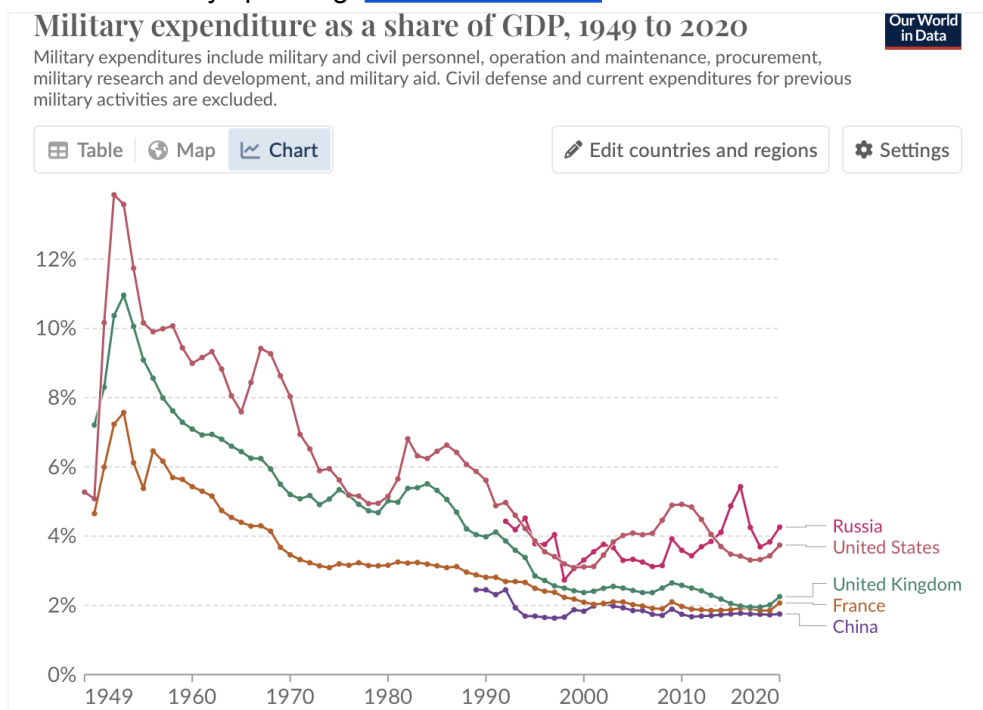
Part 1:

My username is Jacob-Burrill

Part 2:

A description of the **visualization you are recreating** and why you picked it, along with a link and screenshot

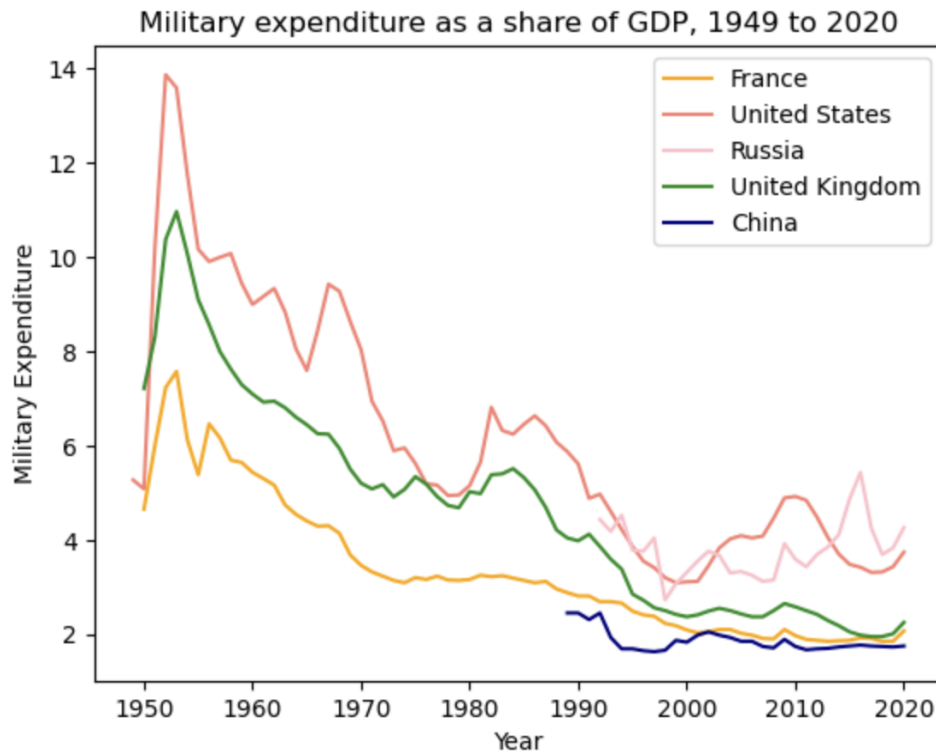
I chose to recreate a visualization of Military Expenditure organized by year and country. I chose this data set because it is interesting to see how the US compares to other countries when it comes to military spending. [Click here for data](#)



Att

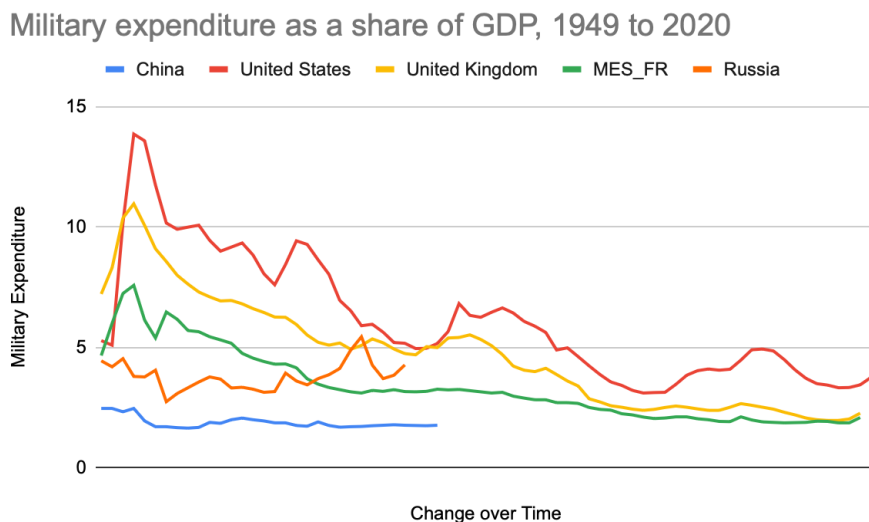
Attempt 1 Using Pandas and Pyplot:

I outline my process more in the .ipynb file used to generate this viz.



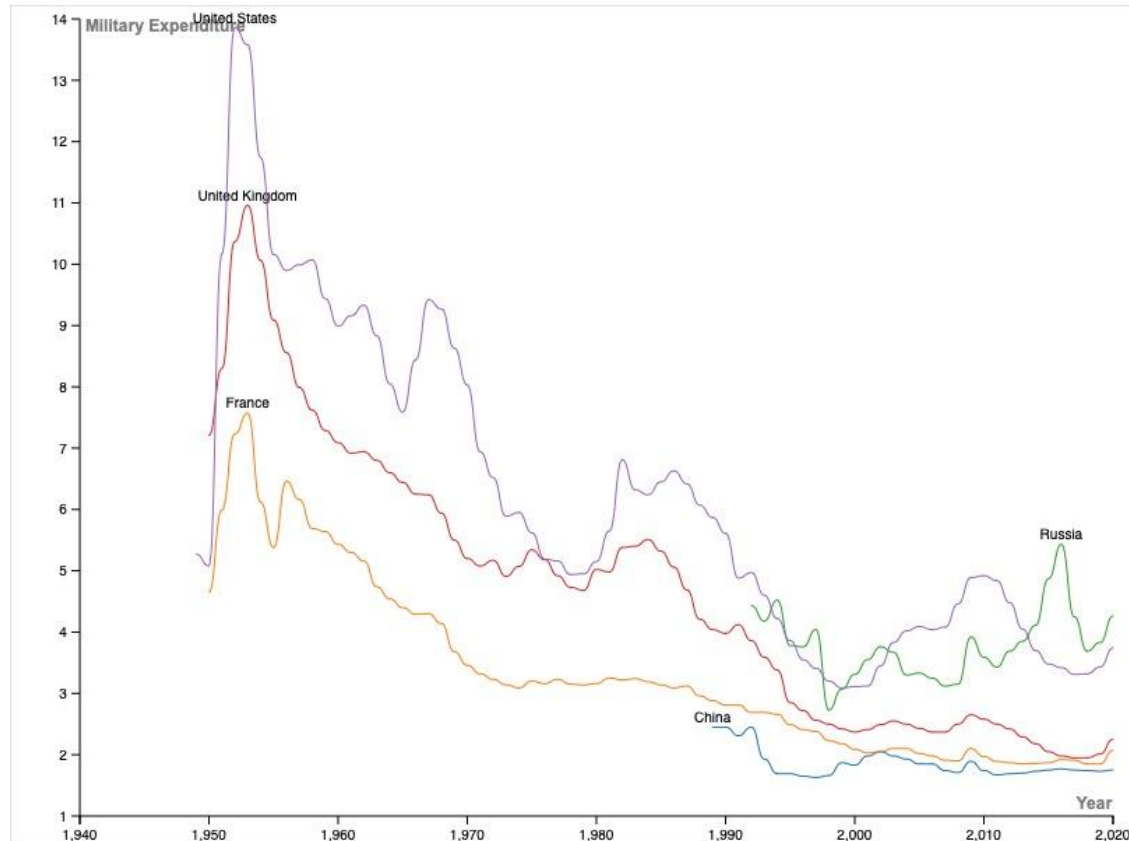
Attempt 2 Using Google Sheets:

This attempt was definitely the hardest and I couldn't manage to get the different lines on the same x-axis scale so I had the x-axis represent change over time instead of specific years.



Attempt 3 Using RawGraphs.io:

This was the easiest attempt and only required me to paste a slightly modified data set into the app and click a few buttons. The end product is still very pleasant with exception to a little overlap of labels. I also would have preferred a different format for axis labels.



Reflection

The easiest tool was definitely RawGraphs.io because all you had to do was paste the data in and it would do pretty much everything for you. Although Rawgraphs was the easiest, I think using pandas is the best way because it is very customizable and creates a very clear and concise graph. The google sheets was by far the worst tool to use. The way it works is very unclear and I had a hard time organizing the data in a way that the chart tool would like. Overall, pandas is definitely the winner based on ease of use and customizability. The only drawback is that pandas requires the knowledge of pandas.

Part 3:

I requested data from Spotify, Youtube, and Microsoft accounts. I received the data for all three of my requests.