A Problem with Presidents; a data to information challenge.

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Introduction

I thought the implementation would have been easier, but since I had no experience exactly in doing such a problem, it took me some time. I was able to learn topics and spend valuable time trying to solve the problem. I learned how to make a table in Python, and I got to work with csv file and modify the data from the csv file. Also, I got to implement calculations with the data and work with trying to plot the data in graphs.

Body

Top 10 Longest Lived or Living Presidents

A screenshot of a computer

Description automatically generated with low confidence

Top 10 Shortest Lived or Living Presidents

A picture containing table

Description automatically generated

Table of the Measurements

Table

Description automatically generated

Table

Description automatically generated

Table

Description automatically generated with medium confidence

Table

Description automatically generated with medium confidence

Calendar

Description automatically generated

Plots of the Measurements

Chart

Description automatically generated with low confidence

Chart

Description automatically generated with low confidence

Chart

Description automatically generated with medium confidence

Chart

Description automatically generated with low confidence

Chart

Description automatically generated with low confidence

Chart

Description automatically generated with medium confidence

Analysis

I had to do a couple of experiments and testing to be able to get to the tables to work. It wasn’t that straightforward to me at first as I had to make a tuple within a list within a list to make my first table, but it is not too complicated. I was not able to get any plots on the graphs. To run the tables, you have to first install pip install tabulate. I wanted to make a scatter plot or line graph depending on how close the plots were to be on a line. I think with vast amounts of data, a scatter plot or a line graph are your only options as it would be too much data for graphs such as pie charts and histograms. Also, I couldn’t implement the mode, but in lines 159-164, I have in comments how I would try to implement the mode through the use Counter and max which are built-in Python, I think. From my understanding the Counter will count the occurrences of each days lived data and then putting all those values in max will give me days lived data occurred the most which is the mode.

Conclusion

I am proud of what I was able to accomplish through this problem because I spent time and hard work on it and had a strong desire to get it done. However, there are areas I could improve on such as having plots on my graphs and not having such a long table for the measurements. If given the chance, I would love and appreciate the chance to learn what I did good and where and how I could improve. I am thankful for being given this opportunity and look forward to discussing the job opportunities to showcase the skills I can bring to the job and learn more about the job and organization.