MSDS 670

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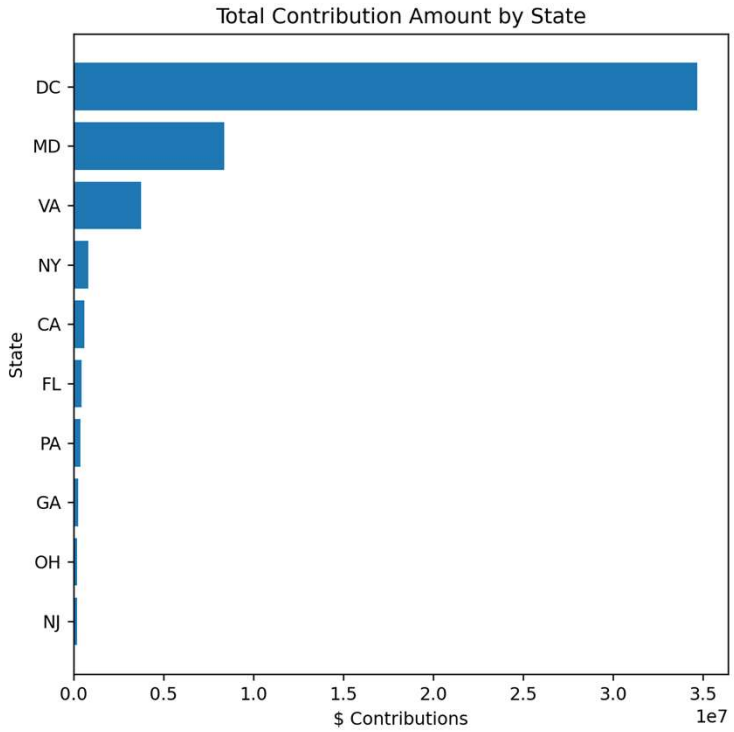
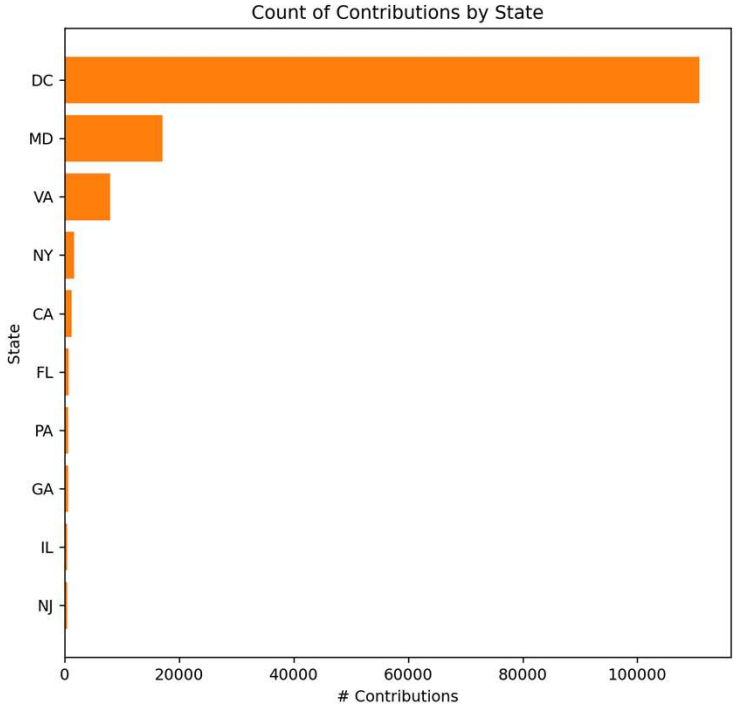
Week 6 – Matplotlib

June 11 2023

Visualization 1

- State breakdown of campaign contributions
  - DC and MD have top contributions for both charts, makes sense
- Could utilize shared y axes in the future
  - Wasn't too cluttered as it is now, left it alone
- Takeaway: in a DC election, DC rightfully has the most campaign contributions and the most money staked in the DC election
  - Maryland rightfully a close 2nd

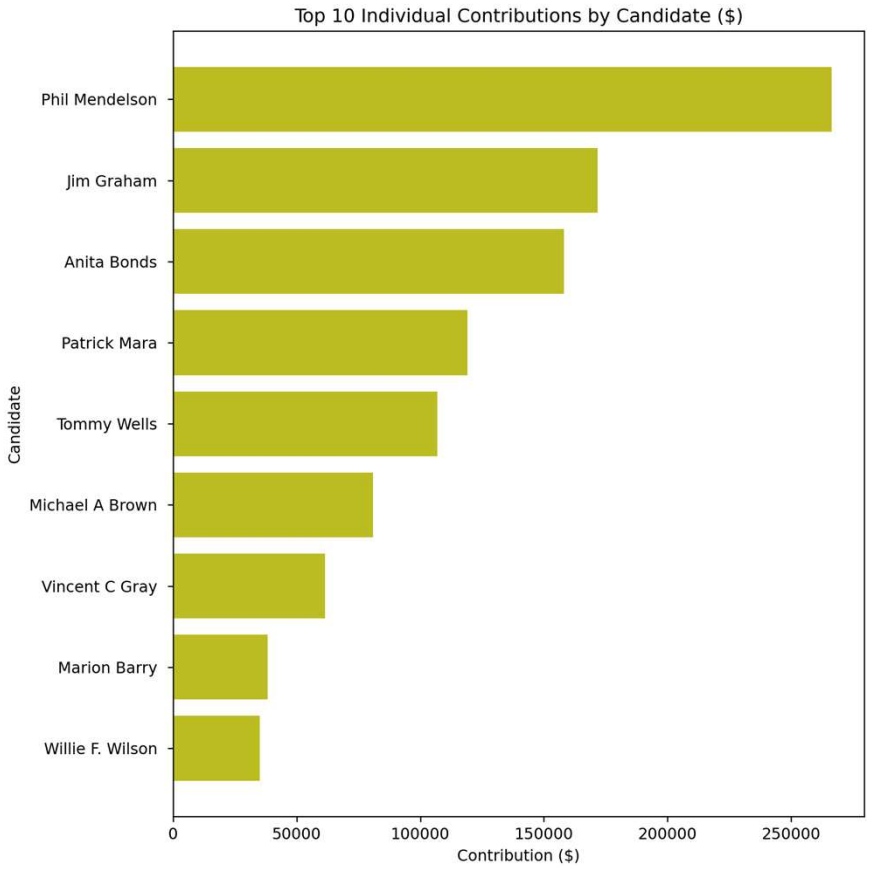




Source: DC political contributions.csv

Visualization 2

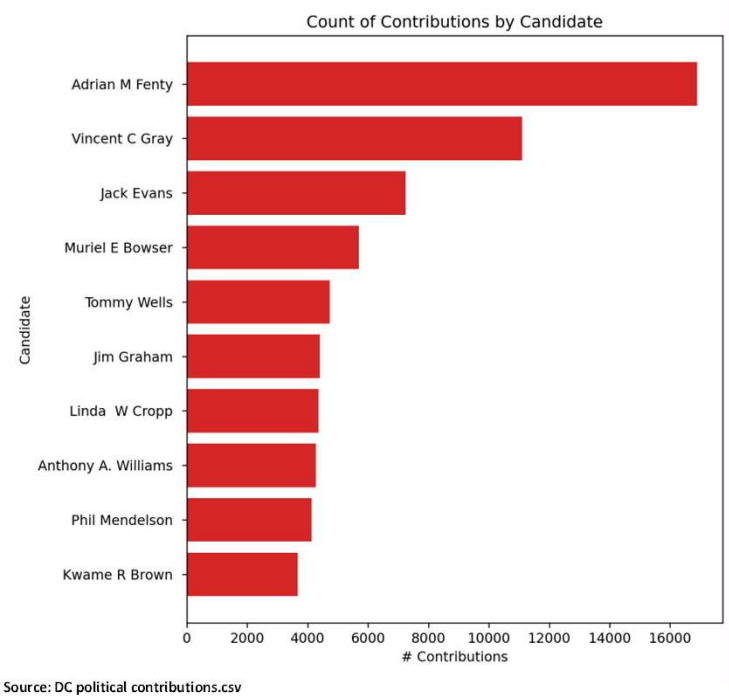
- Shock-value chart for Top 10 overall donations/contributions
  - Phil Mendelson has some rich friends
- Axes could maybe be formatted better
  - Kept the 0's for shock value
- Could utilize bolding for axes
- Takeaway: Phil Mendelson has some rich friends, what do they want? What will be Phil's result in the election?



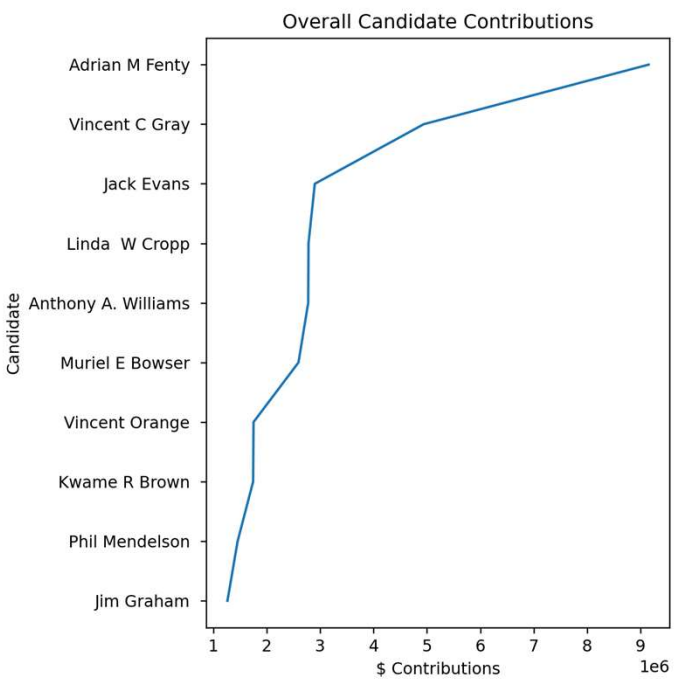
Source: DC political contributions.csv

Visualization 3

- No gridlines, no legend, no need for multiple colors
- Contribution Count vs. Overall Contribution Dollar Amoun
  - Multiple angles shown
- Didn't need to set x/y limits
  - Was satisfied with defaults
- Takeaway: Adrian M Fenty has had a high amount of campaign contributions compared to his competitors. Will this correlate to his election result?
  - Vincent C Gray a semi-close 2nd



Source: DC political contributions.csv



Conclusion

- The data shows that mostly Washington D.C. and Maryland contributed to the DC election data, which makes sense. I would expect that only Washington D.C. and Maryland have much stake in a Washington D.C. election.
- Phil Mendelson had the highest individual contribution
  - Interesting
- Adrian M Fenty received the most campaign contributions overall, both in count and in dollar amount overall
  - Will Adrian win? *Did* Adrian win?
  - Who are Adrian's funding sources? What are their intentions?