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Data ANalysis of 2016 Presidential Election

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# Product Overview

Our proposed project is a Data analysis of the 2016 presidential election. The data shows the general election results for the 2016 presidential election and it categorizes the data by district. The data shows the amount of people who voted for either Hilary Clinton, Donald Trump, Jill Stein, Gary Johnson or others (others is its own category). Instead of using the candidate’s names, we will be using their party affiliation in our data analysis. Clinton is democratic, Trump is republican and everyone else is independent. We will analyze the data to show how many people voted for democrats, republicans and independents in each state. We will also have an input that will allow users to enter a state and see which party won that state and by how many votes. We will also have a much broader analysis which will show how many states voted republican versus how many voted democrats and in all showing who won the election by popular vote however it will have a disclaimer since the popular vote doesn’t win you the election.

This project will benefit those who want a closer analysis of the election results especially since the 2016 election was so controversial. Hilary Clinton won the popular vote, but Trump won the electoral college vote which is essentially what wins the election.

# References

* Pettigrew, Stephen, 2016, "November 2016 general election results (county-level)", <https://doi.org/10.7910/DVN/MLLQDH>, Harvard Dataverse, V2, UNF:6:JxrJyrDeAf5zKtfxwjphig== [fileUNF]

# Plans to Finish

1. Data/Hardware/software – The data which will be from the reference listed above. The software we will be using will be Py Charm.
2. Schedule –
   1. Week 1 - Working on reading in CSV file and Researching
   2. Week 2 – Working on function for adding all the district votes and inputting them as total state vote
   3. Week 3 – Working on process for categorizing data into party affiliation
   4. Week 4 – Working on function that displays data showing total votes per party in each state
   5. Week 5 – Working on function that displays data showing total votes per party in each state
   6. Week 6 – Working on function that takes state as an input and shows the voting results.
   7. Week 7 – Working on function that shows results of all the popular votes and displays the winner and winning party by popular votes.
   8. Week 8 - Integrating all the processes and any final touch ups