

Republicans or Democrats, who will win the 2018/2020 U.S house election?

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A decorative graphic on the left side of the slide, consisting of overlapping green and teal geometric shapes that form a stylized arrow pointing to the right.

Goals of my project

- The goal of this project is to predict which party (Democrats or Republicans) will win the 2018/2020 election.
- The importance of this prediction is to help us understand what factors influences a candidate chance of getting elected.
- Variables that were used to predict my target variable includes years of experience and campaign finance.

CONT'D

- The reason why this might be important is because a candidate years of experience sometimes guarantee their chances of winning. For instance, if did better in previous elections, then the people might choose such candidate again.
- While campaign finance is another factor that can influence a person chance of winning and this is important because the amount of money a candidate spend on election gives the people idea of what the candidate will offer to the society or community after being elected.
- The data was collected from the 1976-2020 U.S house elections.

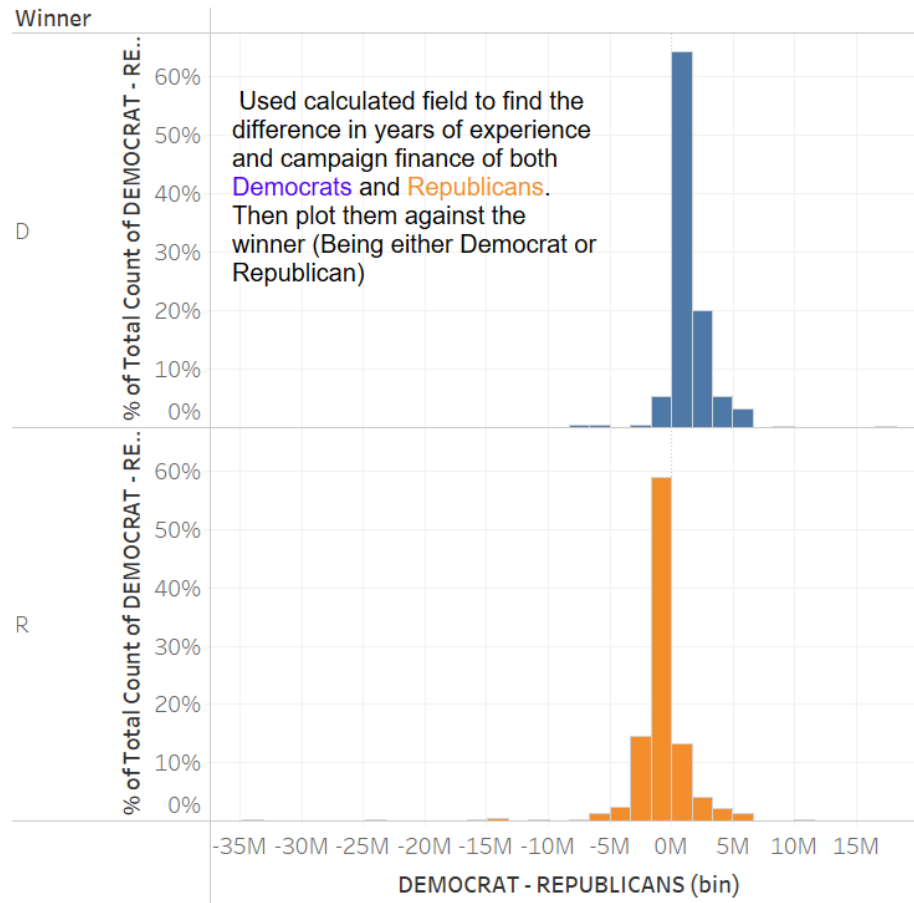


Others:

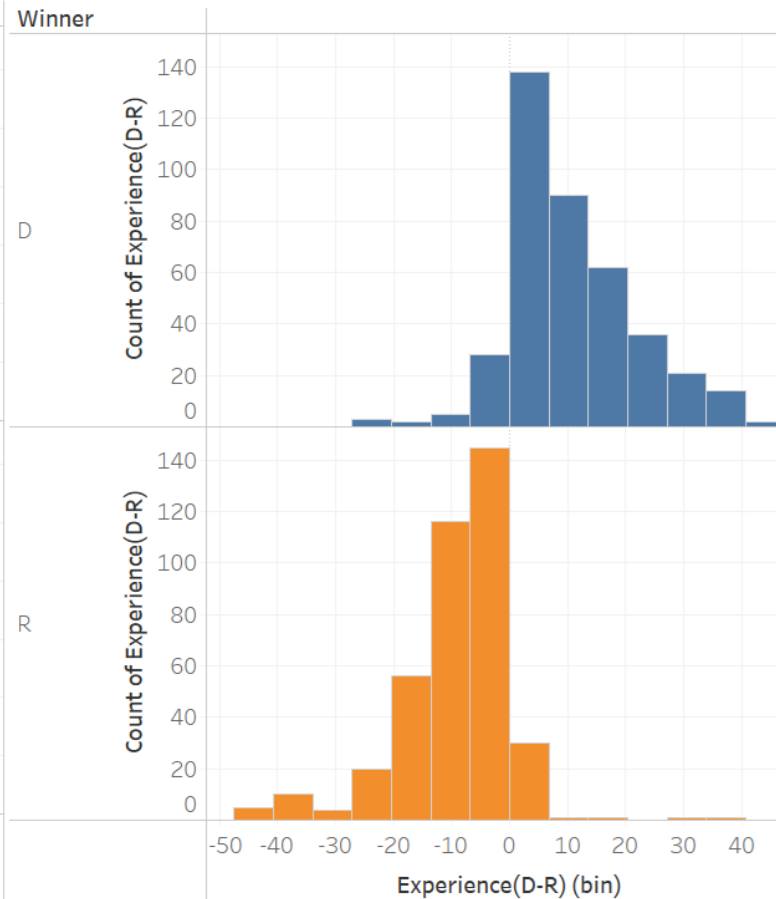
- Election years
- Disbursement.

Exploratory analysis

Campaign finance and winner

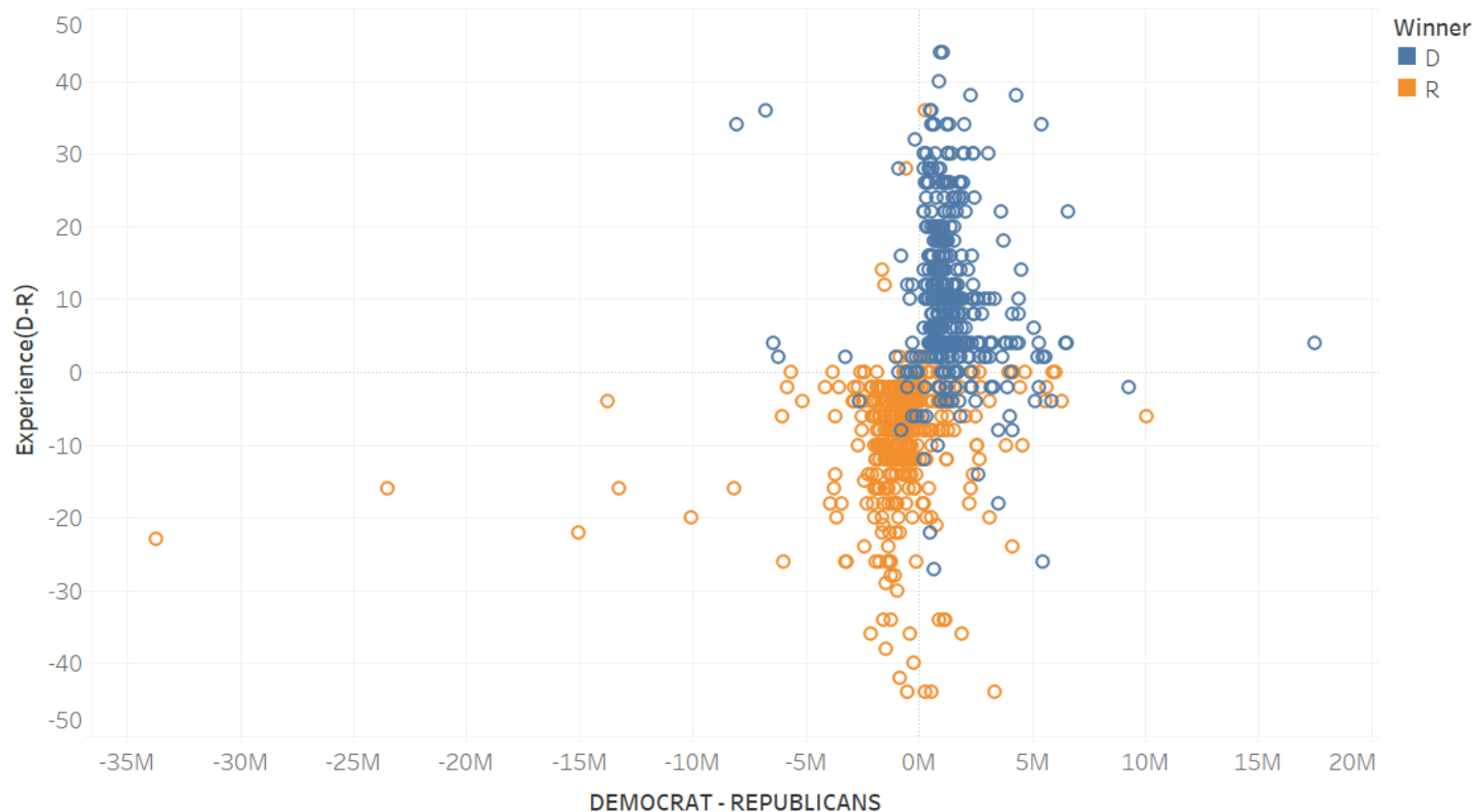


Years of Experience and winner



Finding Relationships Using Scatterplot

Scatterplot showing the relationship between Campaign finance and years of experience for each party.

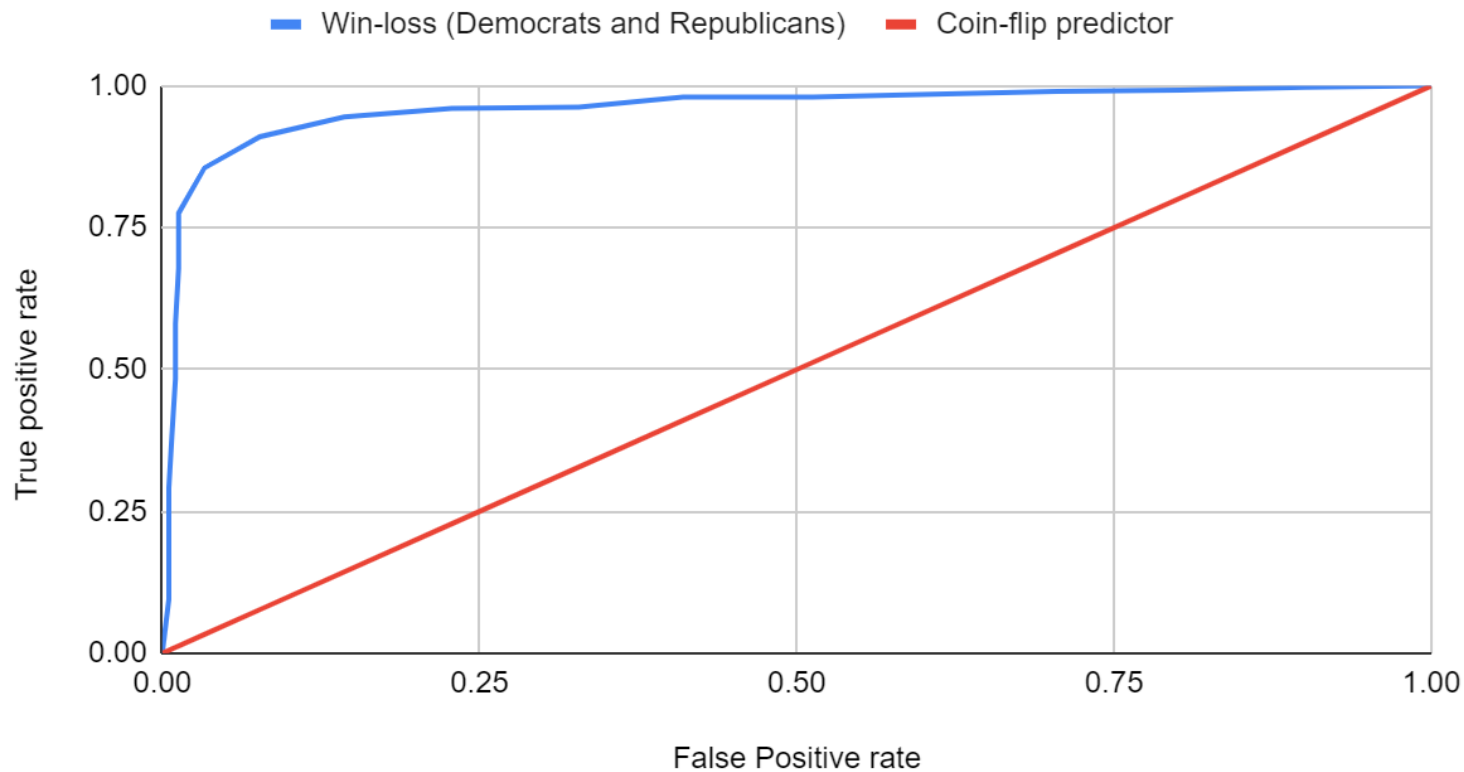


DEMOCRAT - REPUBLICANS vs. Experience(D-R). Color shows details about Winner. The data is filtered on DEMOCRAT - REPUBLICANS, which keeps non-Null values only.

Confusion matrix

Confusion matrix	Actual elected	Actual not elected	Total
Predicted to be elected	379	22	401
Predicted to not be elected	56	334	390
Total	435	356	791

ROC Curve



Use candidate vote to
predict which party
will win.