

Category 1:

We first found a fundamentals model for each of the states and the entire US based on demographics. We then found a national vote share for Donald Trump by multiplying national demographic proportions by the coefficients found from the original model to yield 46.3%, and added it to a state relative spread calculated by the polls. Then, we averaged that number with a number based solely on the polls in order to arrive at a prediction for national vote share for Trump in each state.

Category #2:

The number of votes cast every presidential election year was plotted against time, and an ARIMA model was used to predict the number of votes cast for the next election year, which is 2024. Next, the proportion of each state's votes cast in the national number of votes cast was calculated using data from 2020, and the number of voters per state was calculated using this proportion multiplied by the national number of votes cast. Each district of Nebraska and Maine was calculated by dividing the state's projected number of votes cast by the number of districts.

Category 3:

We are using 50% the past house election results, 40% of it is poll data for it from this year for this year, and 10% is our fundamentals model from this year.

Category #4:

Toying around a few datasets showed us that virtually all presidential election voters also vote in Senate races.

Category 5: We took the average of many voter turnout ratios between Senate races and the Presidential race for certain state districts in 2020 by hand. Then, for uncontested races, we used previous election data – the vote share of the incumbent uncontested candidate in the most recent two-party race – to predict the voter turnout ratio for 2024.

Category #6: We took the average of many voter turnout ratios between House races and the Presidential race for certain state districts in 2020 by hand. Then, for uncontested races, we used previous election data – the vote share of the incumbent uncontested candidate in the most recent two-party race – to predict the voter turnout ratio for 2024.

Category 7:

We looked up articles and based it on historic precedent.