

STATS 32: Summary statistics for 2016 Elections Data

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Note: There are often multiple ways to answer each question.

1. Create a new code chunk. In this code chunk, type in code that computes the percentage of the popular vote each party won.
2. Create a new code chunk. In this chunk, compute the number of counties that the Republican party won.
(Hint: Create a new column, `gop_won`, which has value TRUE if the Republican party had more votes than the Democratic party, FALSE otherwise. Then sum the column.)
3. In the same chunk, compute the number of counties that the Democratic party won.
4. Do the results of the 2 code chunks above seem to contradict each other? Write a sentence or two on what you observe and your guesses as to why that might be the case.
5. Create a new code chunk. In this chunk, plot a histogram of the column `per_point_diff`. Write a sentence or two describing what you observe.
6. Modify the histogram above so that it has a title and more informative axis labels.
7. Create a new code chunk. In this chunk, plot a histogram of the column `diff`. Why do you think the x-axis extends all the way to the left to around -1.5 million?