

# 2018 U.S. Midterm Popular Vote Estimation

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11/27/2018

# 2018 U.S. Midterms

- Took place on Nov. 4th 2018
- Data: 309 “generic ballot” polls from Real Clear Politics

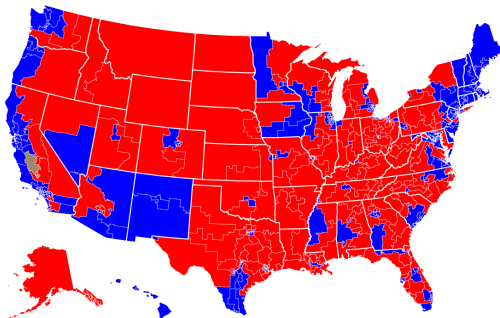


Figure 1: Current results

# Initial Bootstrapping

- Naive estimate: equal weighting of polls
- Estimated difference in proportions: Dem +7.32%  
95% Bootstrapped CI: (6.93%, 7.68%)
- Compare with the *current* results from The New York Times:  
Dem +5.6%

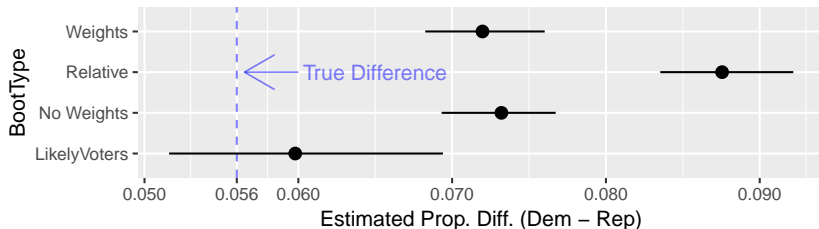
## Additional Techniques

- Change probability of being selected in the bootstrap
  - Higher weight for recent polls and *likely voters*
- Use “relative support” (i.e.  $\frac{Dem}{Dem+Rep}$ )

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Comparing estimations of 2018 U.S. Midterms



## Other features of project in Github

- Regression
- Additional weighting schemes
- Streamlining bootstrapping from surveys

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Link to my Github repo