

# Analyzing how perceived vote strengths, state swing affects behavior in North Carolina and Missouri

## RESULTS & ANALYSIS

## CONCLUSIONS & LIMITATIONS

## METHODS

- created new variables which paired each home state with the margin of the vote that year (`duke/wustl $state_margin`) and subtracted the margin of the state of interest to created (`duke/wustl $mar.diff`)
- created new variables which coded state of interest (Missouri or North Carolina) as a 1 and all else with a 0 (`duke/wustl $switch`) subset data into swing and solid states and tested each set (`Solid08/16`; `Swing08/16`)
- created objects which link the percent of respondents who switched for each state and the margin difference for each state
- plotted these object to show for each state what percentage of respondents switched their registration.

Scatter plot titled "Margin on Registration" showing the relationship between "Difference In Margin (from MO)" on the x-axis and "Percent With Registration in two" on the y-axis. A green regression line indicates a positive correlation. Data points are labeled with state abbreviations.

State	Difference In Margin (from MO)	Percent With Registration in two
FL	-9.5	0.05
OH	-8.5	0.05
WY	-6.5	0.05
CO	-5.5	0.05
HI	-4.5	0.05
MN	-3.5	0.75
TX	-1.5	0.50
NJ	1.5	0.45
IL	2.5	0.45
WA	3.5	0.40
KS	4.5	0.35
IN	2.5	0.20
NY	7.5	0.45
MA	12.5	0.65
MD	14.5	0.70
CT	5.5	1.00
VT	6.5	1.00
NH	7.5	1.00
ME	8.5	1.00
CA	10.5	0.35

	<i>Dependent variable:</i> Switching Registration
Difference in margin	0.012** (0.005)
Constant	0.356*** (0.043)
Observations	151
R <sup>2</sup>	0.035
Adjusted R <sup>2</sup>	0.029
Residual Std. Error	0.484 (df = 149)
F Statistic	5.435*** (df = 1, 149)
<i>Note:</i>	* p<0.1; ** p<0.05; *** p<0.01

## REFERENCES

Montgomery, Jacob. The Chronicle Undergraduate Survey. 2008, Duke University.  
Silver, Nate. "Today's Polls and Final Election Projection: Obama 349, McCain 189." FiveThirtyEight, ESPN Internet Ventures, 4 Nov. 2008, [fivethirtyeight.com/features/todays-polls-and-final-election/](http://fivethirtyeight.com/features/todays-polls-and-final-election/). Accessed 7 Dec. 2016.  
Silver, Nate, et al. "Who Will Win the Presidency?" FiveThirtyEight 2016 Election Forecast, ESPN Internet Ventures, 8 Nov. 2016, Polls-Only Forecast, [projects.fivethirtyeight.com/2016-election-forecast/](http://projects.fivethirtyeight.com/2016-election-forecast/). Accessed 7 Dec. 2016.