

The background of the slide features a pattern of red and blue dots of varying sizes, some of which are connected by thin, light grey lines, creating a network-like or molecular structure.

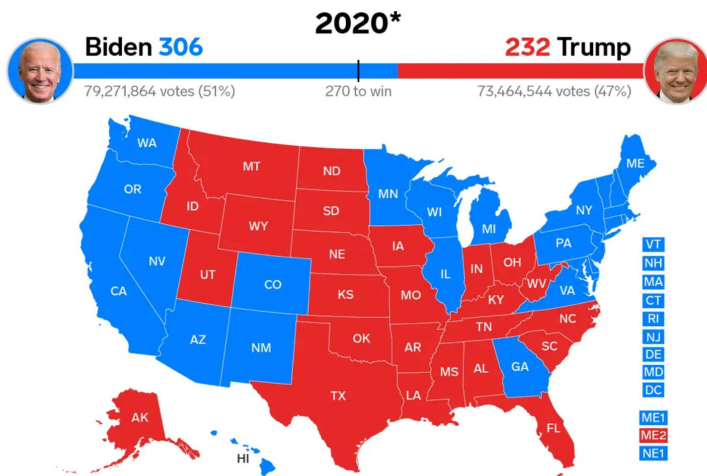
Reproducibility of Exit Poll Data in 2020 Presidential Election

Caroline Z, Lei Y, Jacqueline Z.

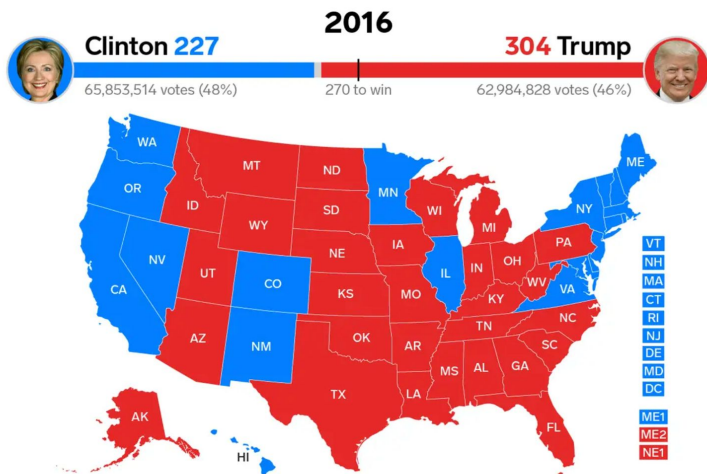
Data Source:

ANES (American National Election Study) Time Series Study

- ❑ The ANES 2020 Time Series Study consists of two parts, one pre-election survey and post-election survey.
- ❑ Pre-election interviews began in August 2020 and continued until Election Day, Tuesday (November 3).
- ❑ Post-election interviews began soon after the election and continued through the end of December.
- ❑ The ANES 2020 surveys both a panel sample and a fresh cross-sectional sample, asking various questions on participation in election, voting experiences, coronavirus pandemic, corruption, impeachment, immigration, anti-elitism, faith in experts or science, and many different aspects.
- ❑ In total, there are 8280 subjects who answer the ANES 2020.

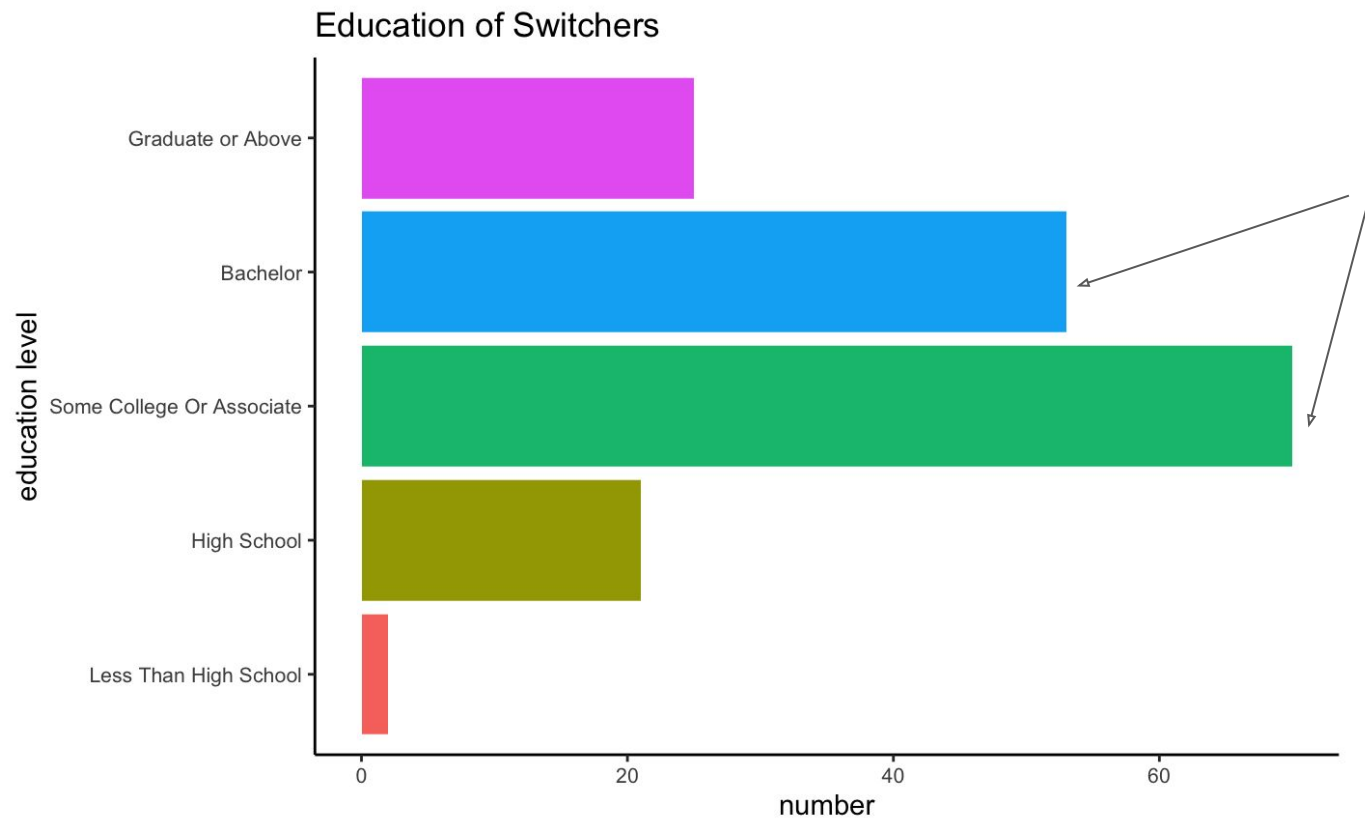


Comparing the presidential election results in 2016 and 2020, the electoral vote count from 2016 to 2020 basically flipped.

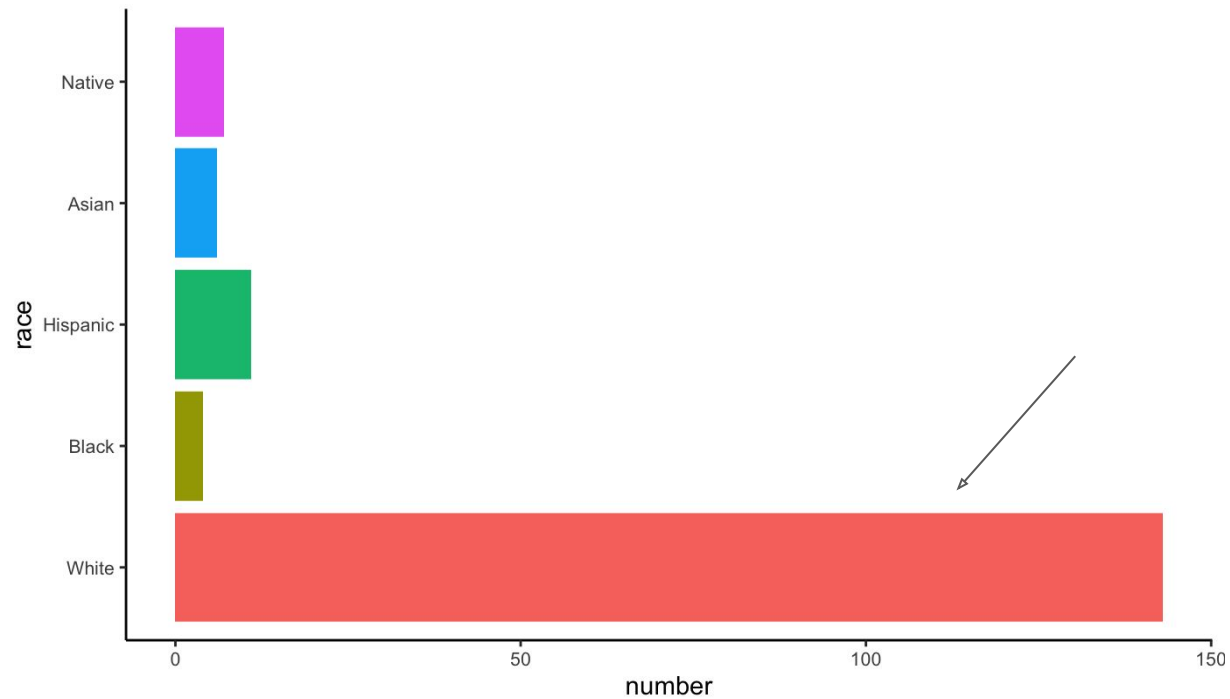


Why did this happen ?
More importantly, why did Trump lose?

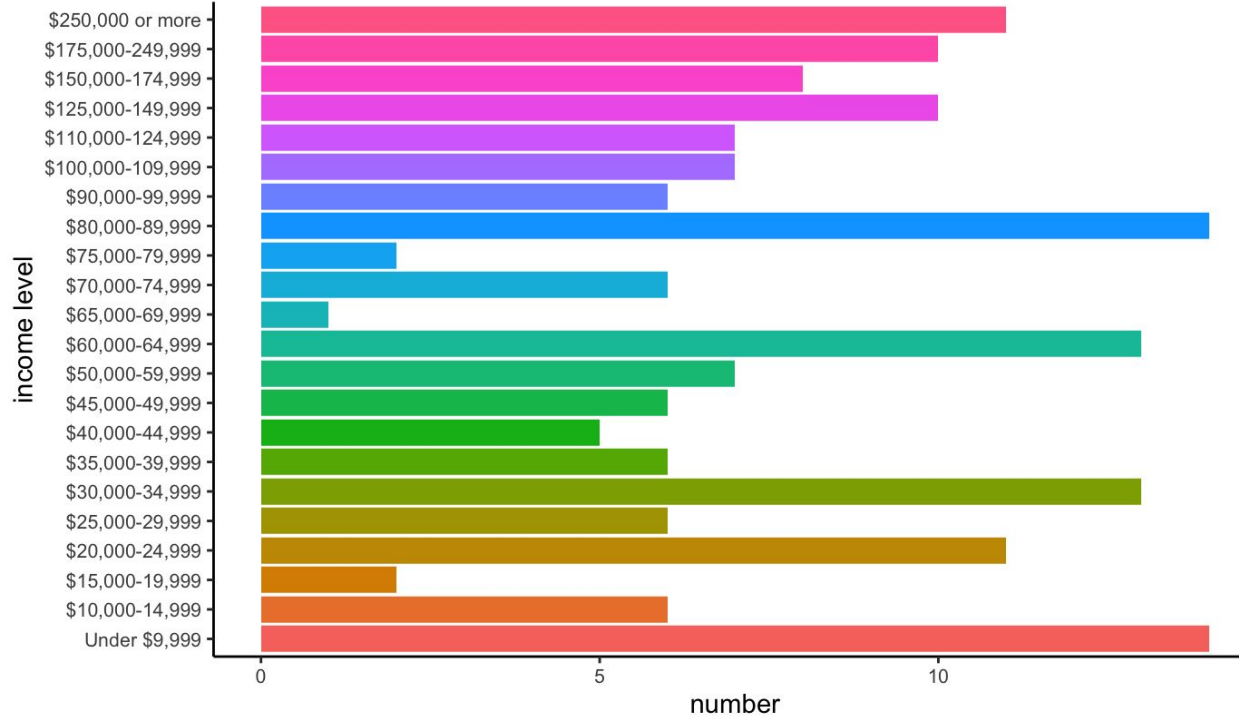
Who voted for Trump in 2016 but voted for Biden in 2020?



Race of Switchers

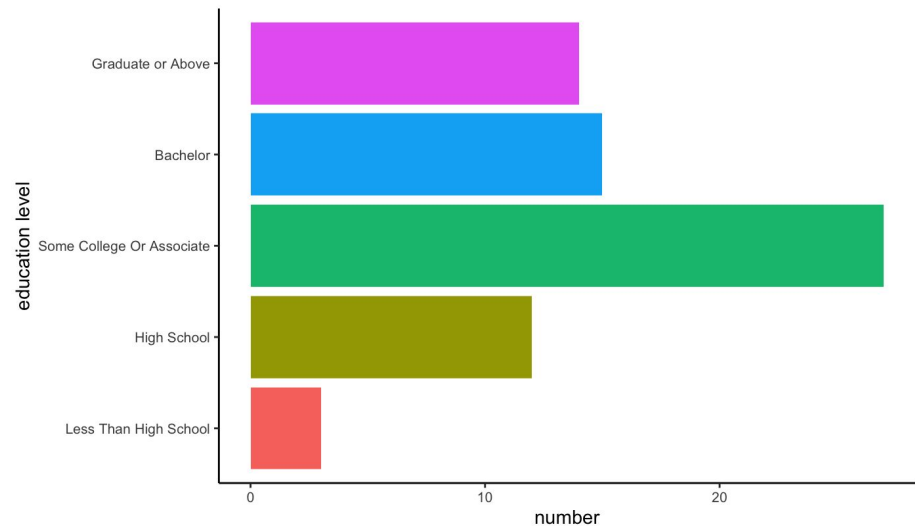


Income of Switchers

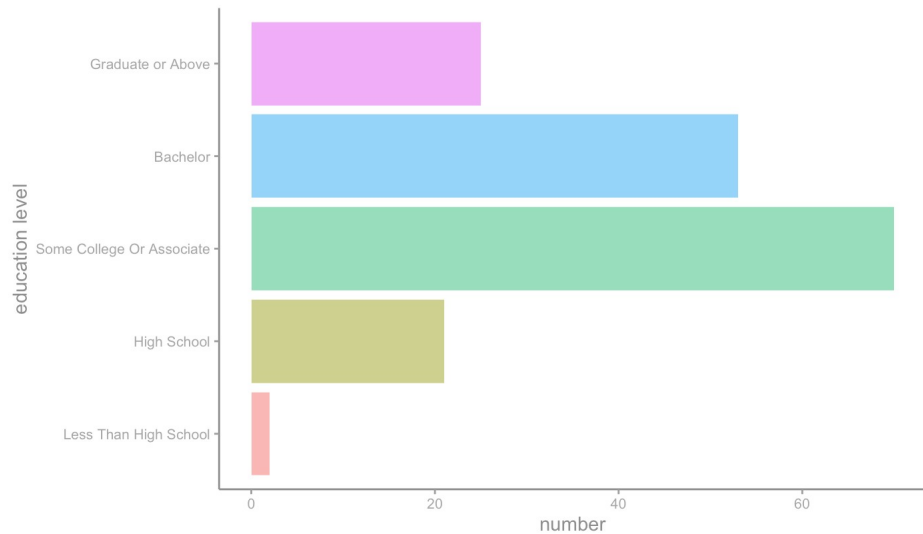


Who voted for Clinton in 2016 but voted for Trump in 2020? (Another type of Switchers)

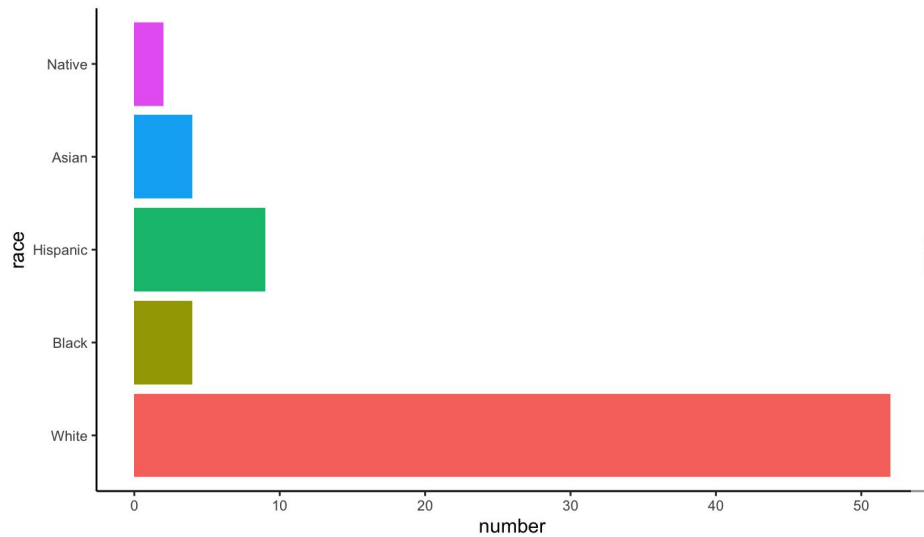
Education of Switchers (Hillary Cliton to Donald Trump)



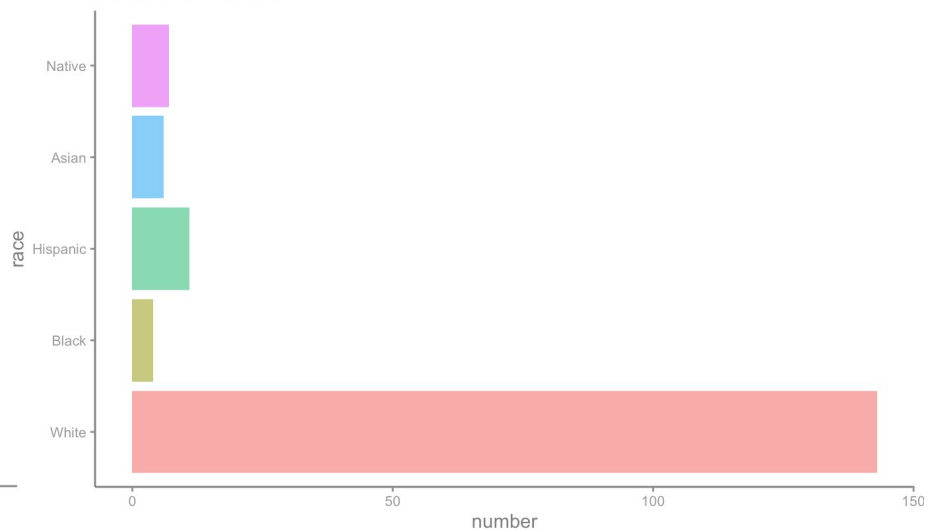
Education of Switchers

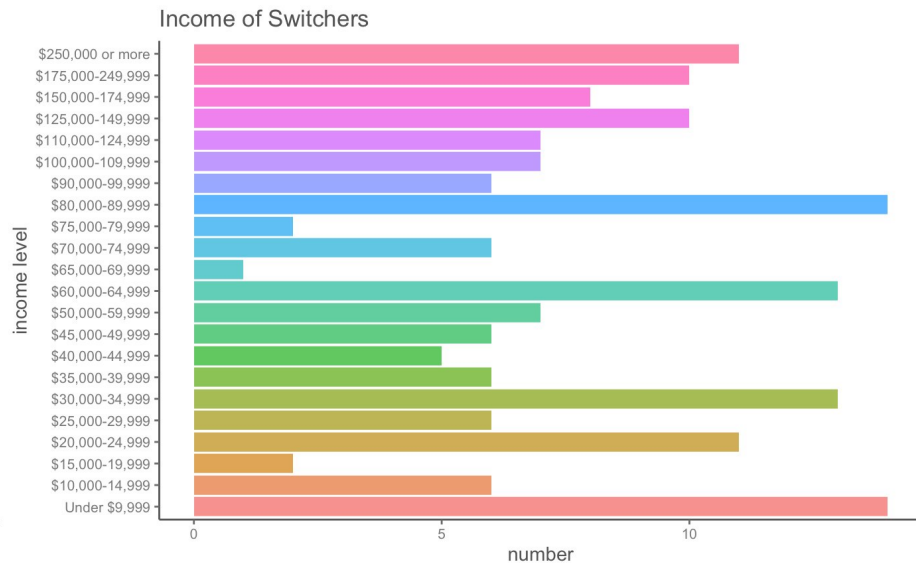
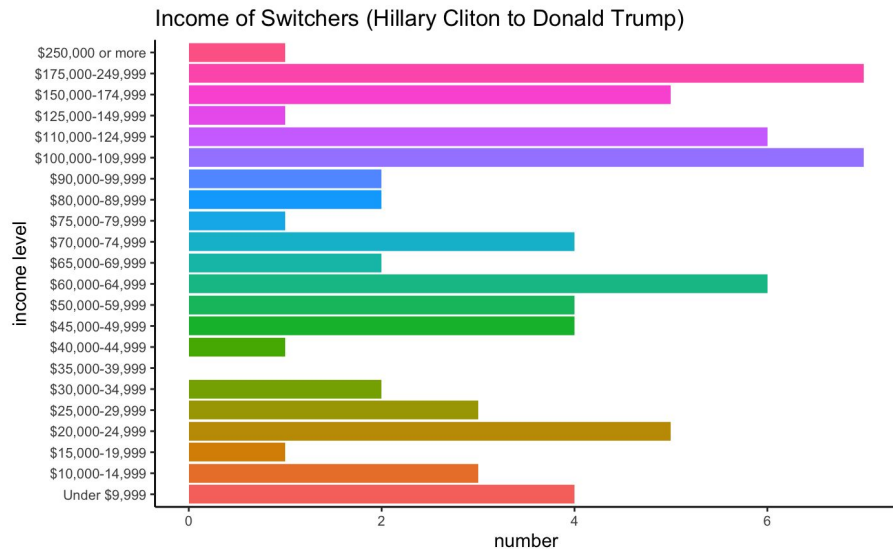


Race of Switchers (Hillary Clinton to Donald Trump)



Race of Switchers



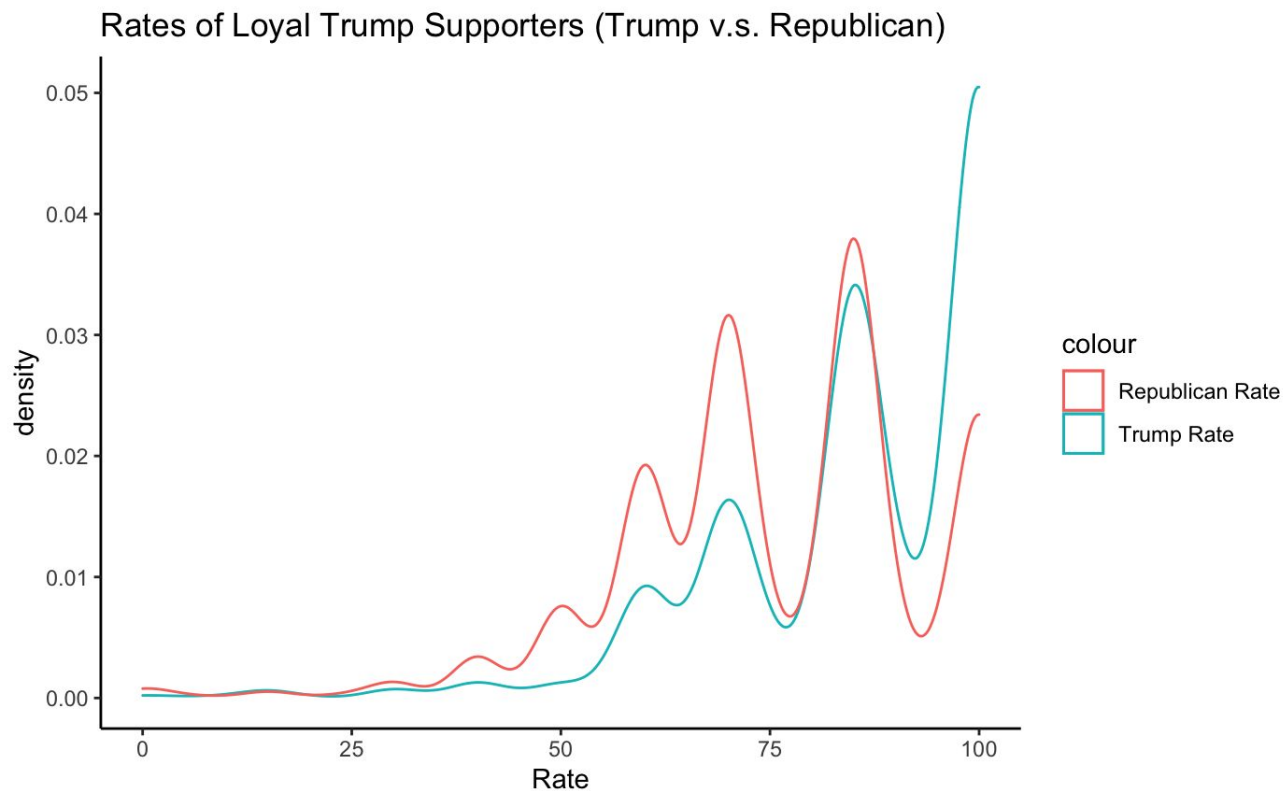


**Whether or not Trump is an important political asset for the republican party?
Will the republican party abandon Trump in 2022?**

- Questions from ANES 2020: Feeling Thermometer
 - How would you rate Joe Biden V201151
 - How would you rate Donald Trump V201152
 - How would you rate the Democratic Party V201156
 - How would you rate the Republican Party V201157
- Scale: 0-100

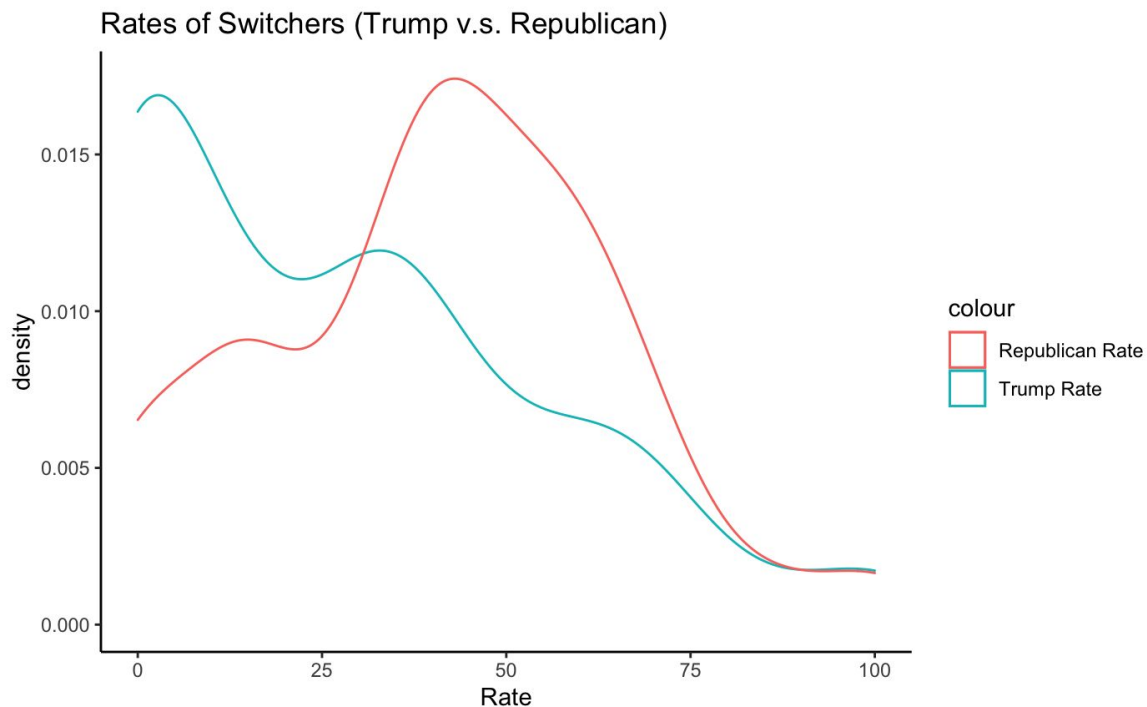
(1) Loyal supporters:
voted for Donald Trump
in both 2016 and 2020

Do they support Trump
firmly or truly believe in
Republican party?



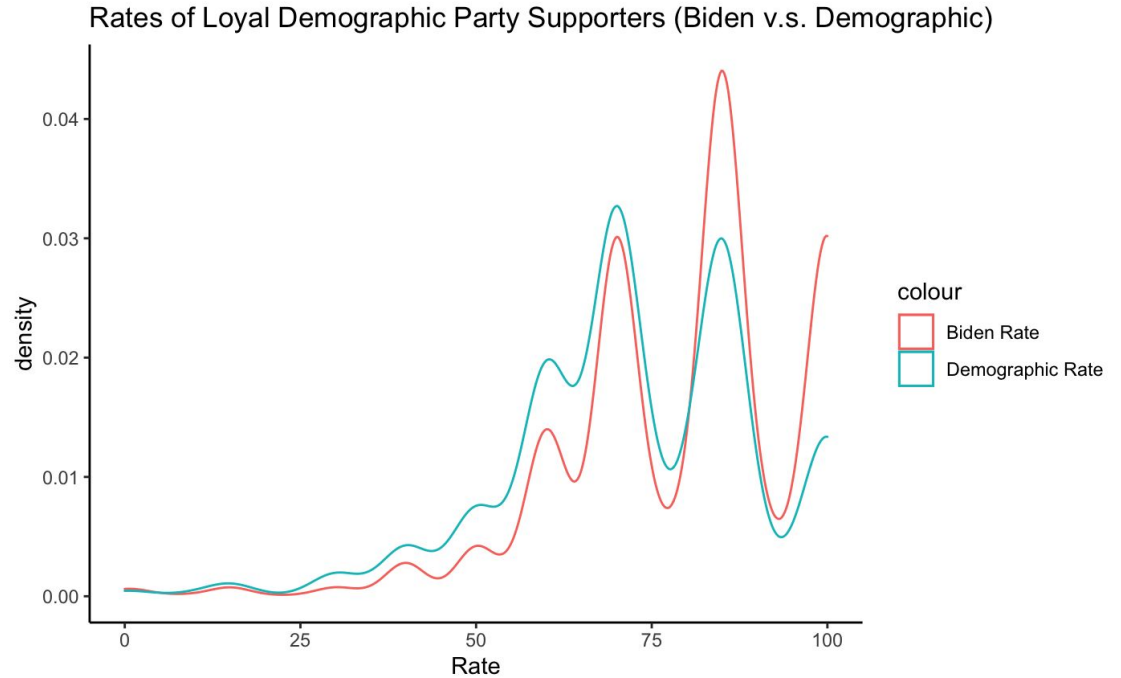
(2) Switchers:
voted for Donald Trump in 2016,
but voted for Joe Biden in 2020

Do they lose faith in Trump or
Republican party?



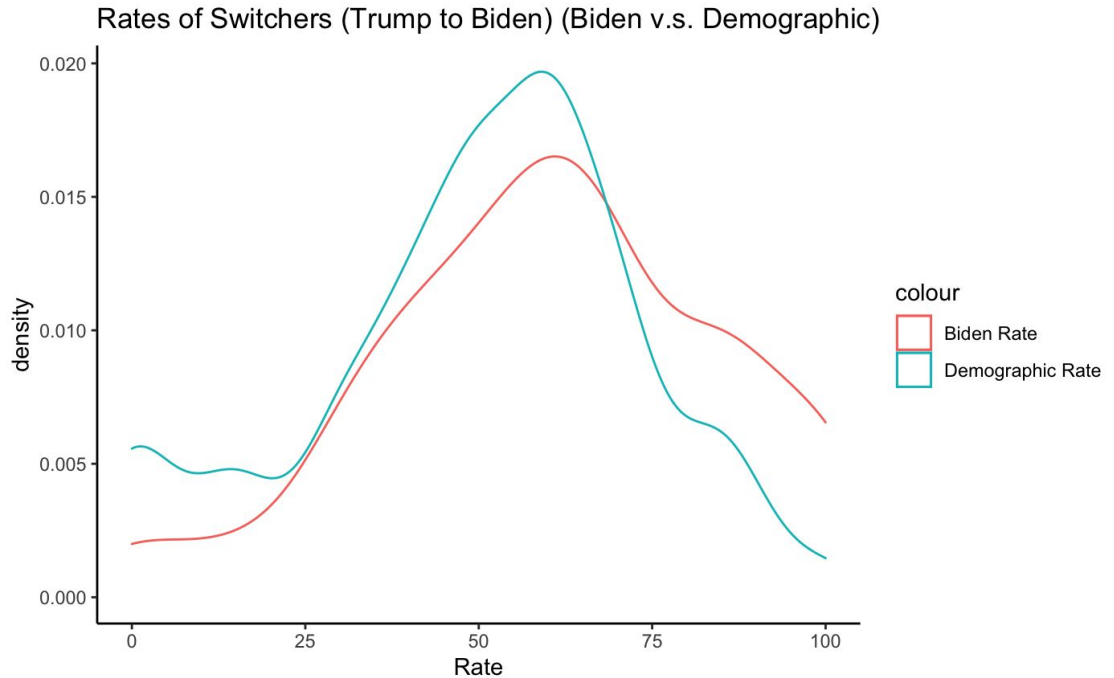
(3) Loyal supporters of
Demographic party:
voted for Joe Biden in 2020 and
voted for Hillary Clinton in 2016

Do they support Biden because of
their faith in Demographic party?



(4) Switchers:
voted for Hillary Clinton in 2016, but
voted for Donald Trump in 2020

Do they lose faith in Demographic
party?



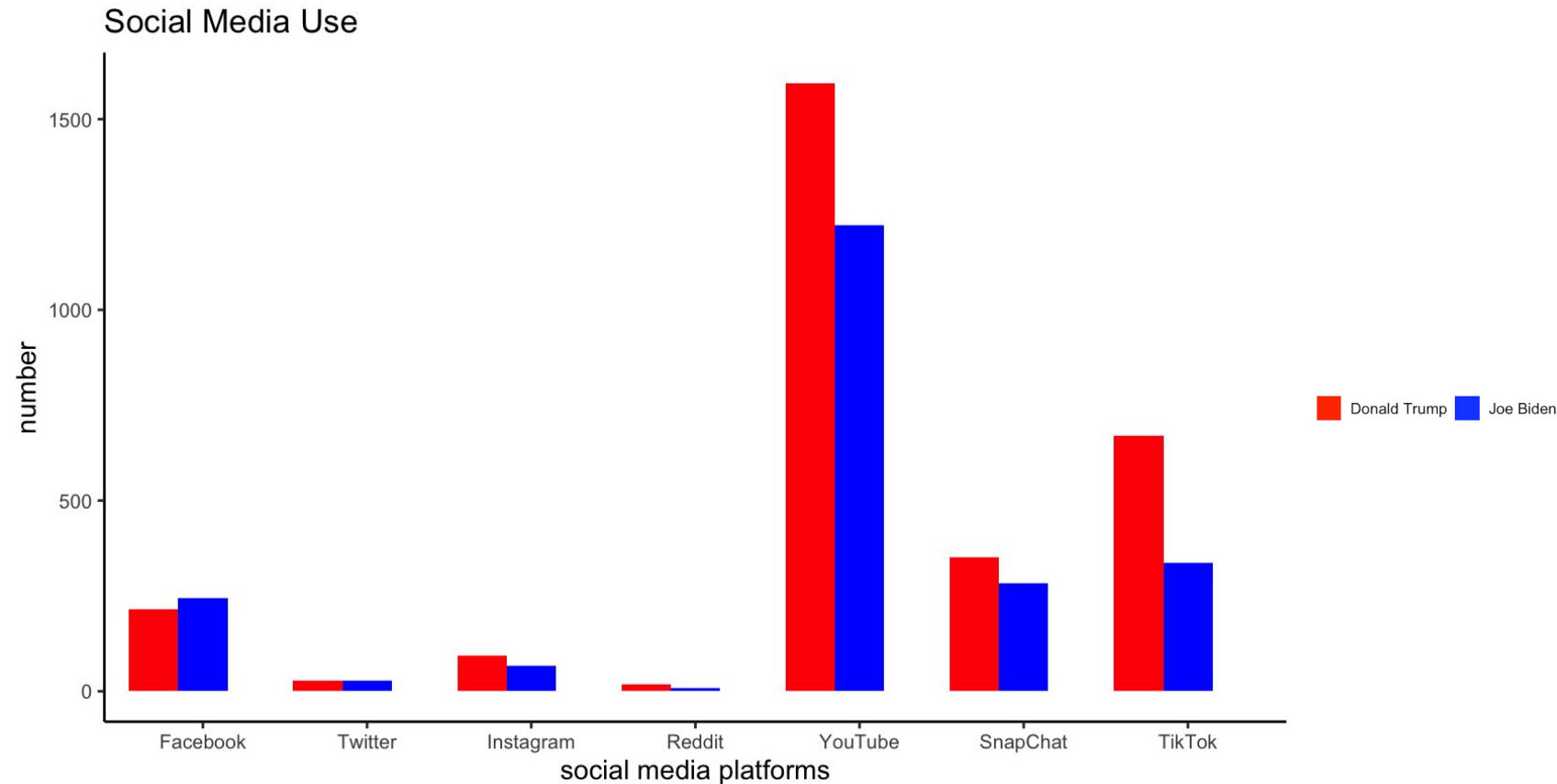
Explore the Relationship between media use and votes:

Donald Trump lost his voice in social media platforms:

- ❑ In May 26, 2020, Twitter fact checks Donald Trump for the first time
- ❑ In January 2021, Mainstream social media bans or suspends Donald Trump's social media

Is not hearing from Trump the reason why people are not supporting him?

Which social media platforms have you visited in the past year?



What happened in 2020 that caused Trump's loss?

- Many mainstream news conclude that Trump's handling of COVID crisis played large role in his loss, for instance:
 - The Washington Post: How Trump's Erratic Behavior And Failure On Coronavirus Doomed His Reelection
 - Time: How Donald Trump Lost The 2020 Presidential Election
 - Mother Jones: How Trump Los
 - Politico: Inside Donald Trump's 2020 Undoing
- Is this conclusion correct?
- Is nation economy condition another reason why people are not satisfied with Trump?
- What could we tell from the survey? Could we compare our results from ANES 2020 to the findings of the exit poll data?

Introduction (for Caroline and Jaq part)

2020 election

Exit polls offer information about voters values and what impacts their votes, They target a large scope and ask very broad questions

ANES is a national election survey asks a smaller pool of voters hundreds of more narrowed questions

Questions we set out to answer:

- Can we replicate the findings of the exit poll data with the ANES data?
- Do exit polls ask questions that are too broad and open-ended? Does the ANES data provide data that shows they are missing information in more nuanced questions? (i.e Is there any important information about voting behavior that can be found in the ANES data that is not captured by the exit poll data?)

We focused on two topics: economy and covid 19



Donald Trump



Joseph R. Biden Jr.

Do you think the condition of the nation's economy is:



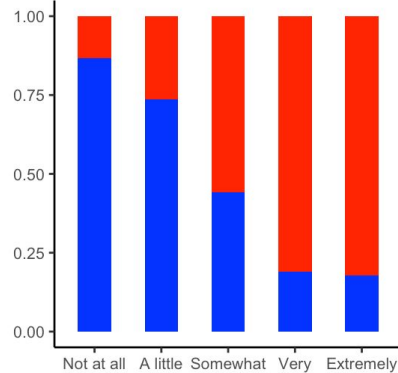
Source: an article titled “2020 National Exit Polls: How Different Groups Voted” from *The New York Times*

Link: <https://www.nytimes.com/interactive/2020/11/03/us/elections/exit-polls-president.html>

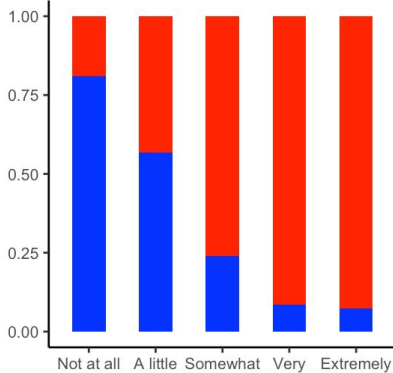
Positive Feelings



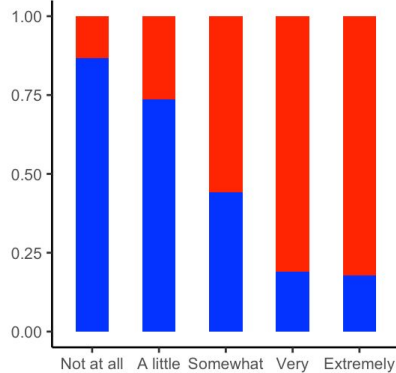
Hope



Happy



Proud

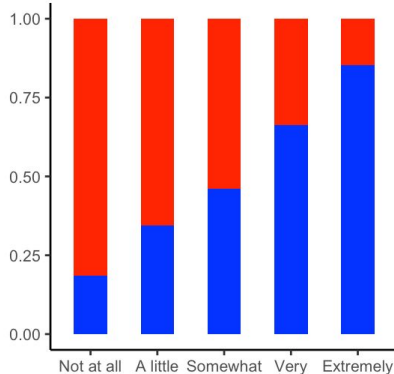


In general, how voters feel about how the things are going in the country?

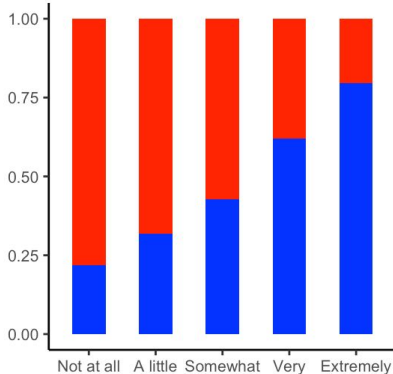
Negative Feelings



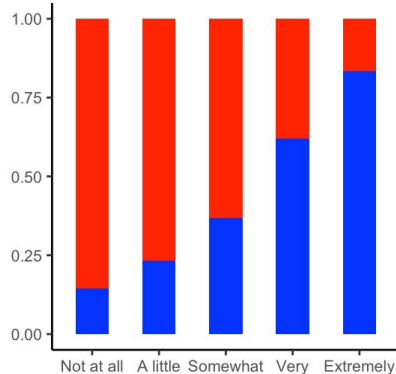
Afraid



Angry



Worried

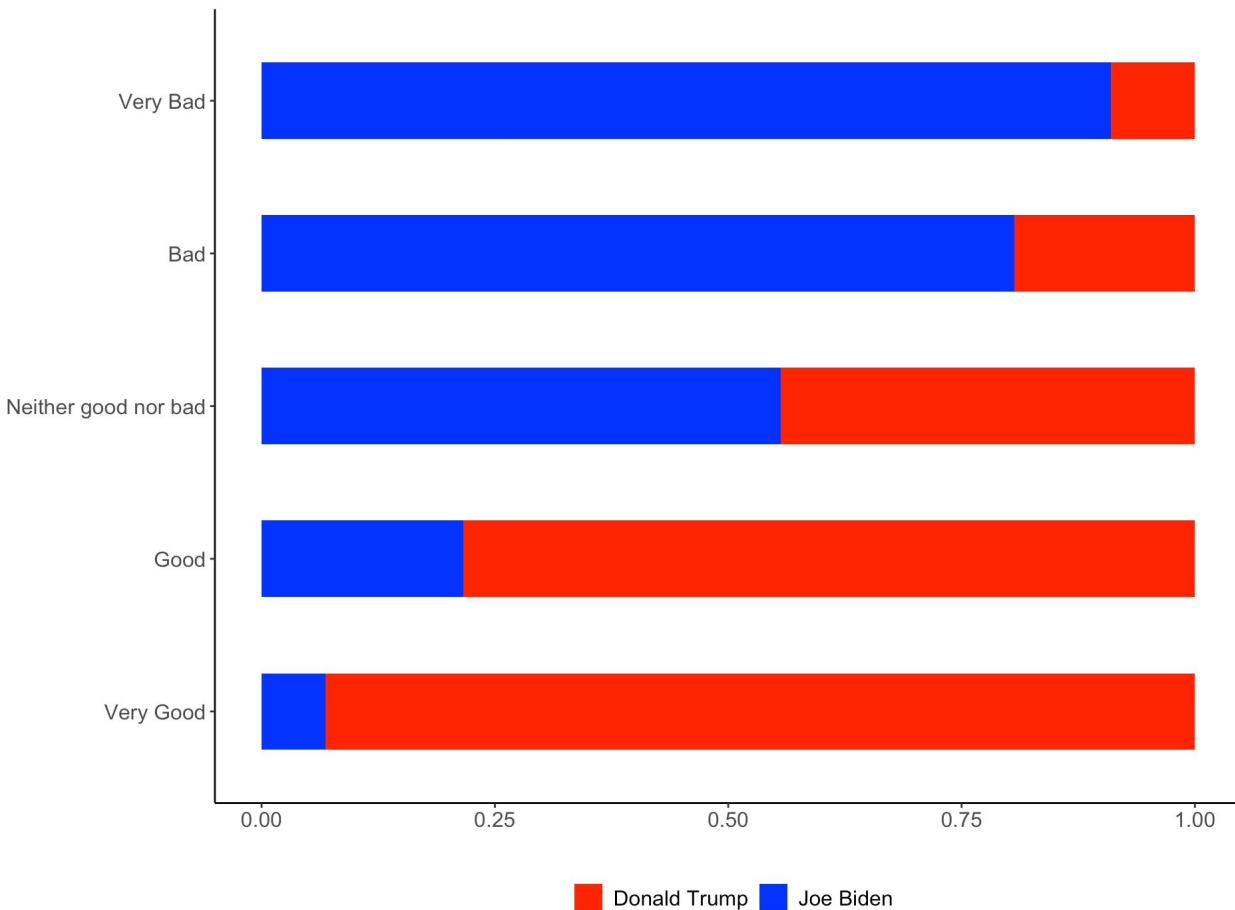


Current economy good or bad?

Total Pool:

44.51% feel very bad or bad;

30.17% feel very good or good

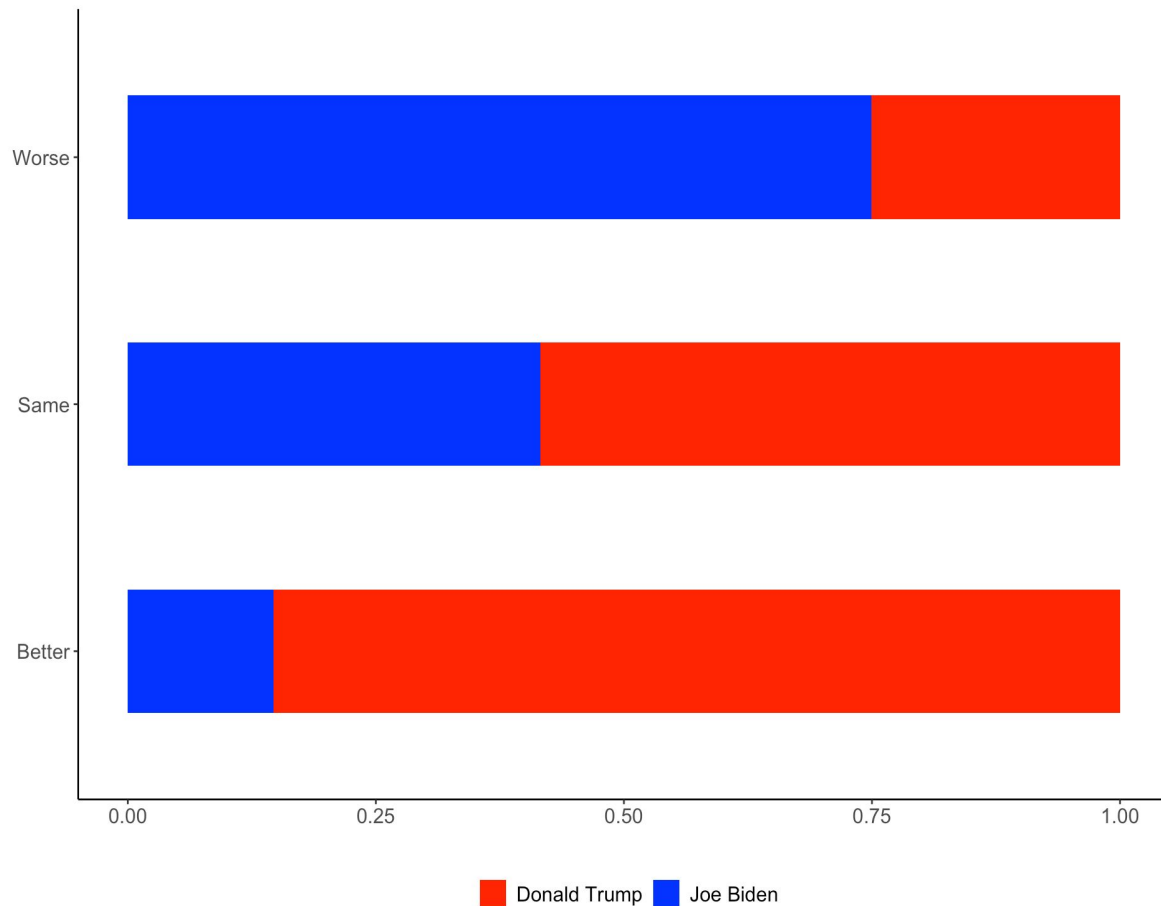


National economy better or worse in last year?

Total Pool:

61.84% think worse;

18.17% think better



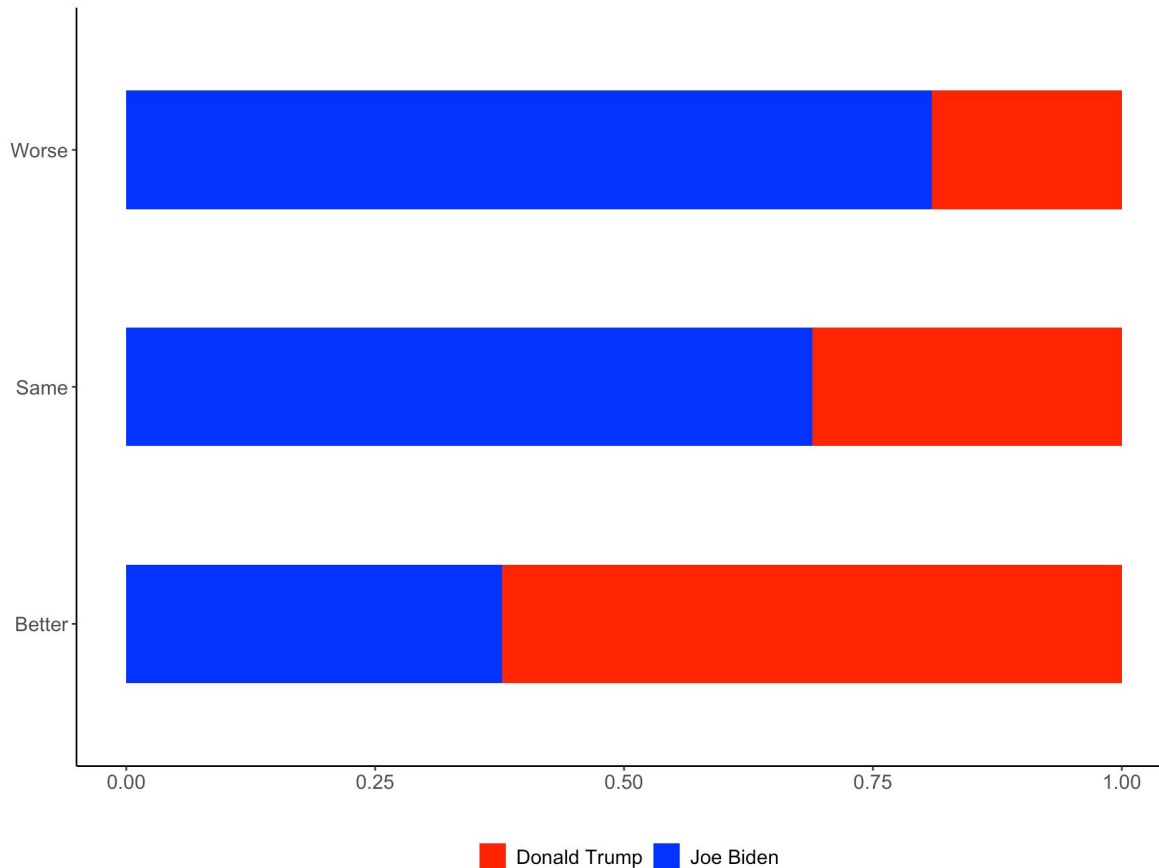
Economy better or worse in next 12 months?

Total Pool:

22.08% think worse;

31.76% think stay the same;

46.16% think better



U.S. efforts to contain coronavirus are going:

15,590 total respondents

	Very well 18%	Somewhat well 33%	Somewhat badly 15%	Very badly 32%
● Biden	13%	21%	74%	94%
● Trump	86%	78%	24%	4%



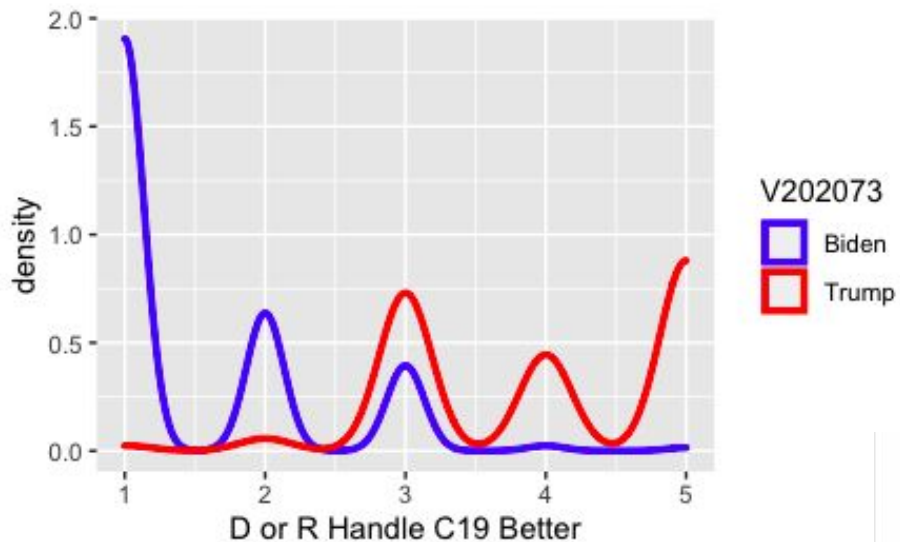
Better handle the coronavirus pandemic?

15,590 total respondents

	BIDEN 53%	TRUMP 43%
● Biden	92%	4%
● Trump	6%	95%

Source: CNN Presidential Election Exit Polls

<https://www.cnn.com/election/2020/exit-polls/president/national-results>



Democrat
would do a
better job

No difference

Republican
would do a
better job

Better handle the coronavirus pandemic?

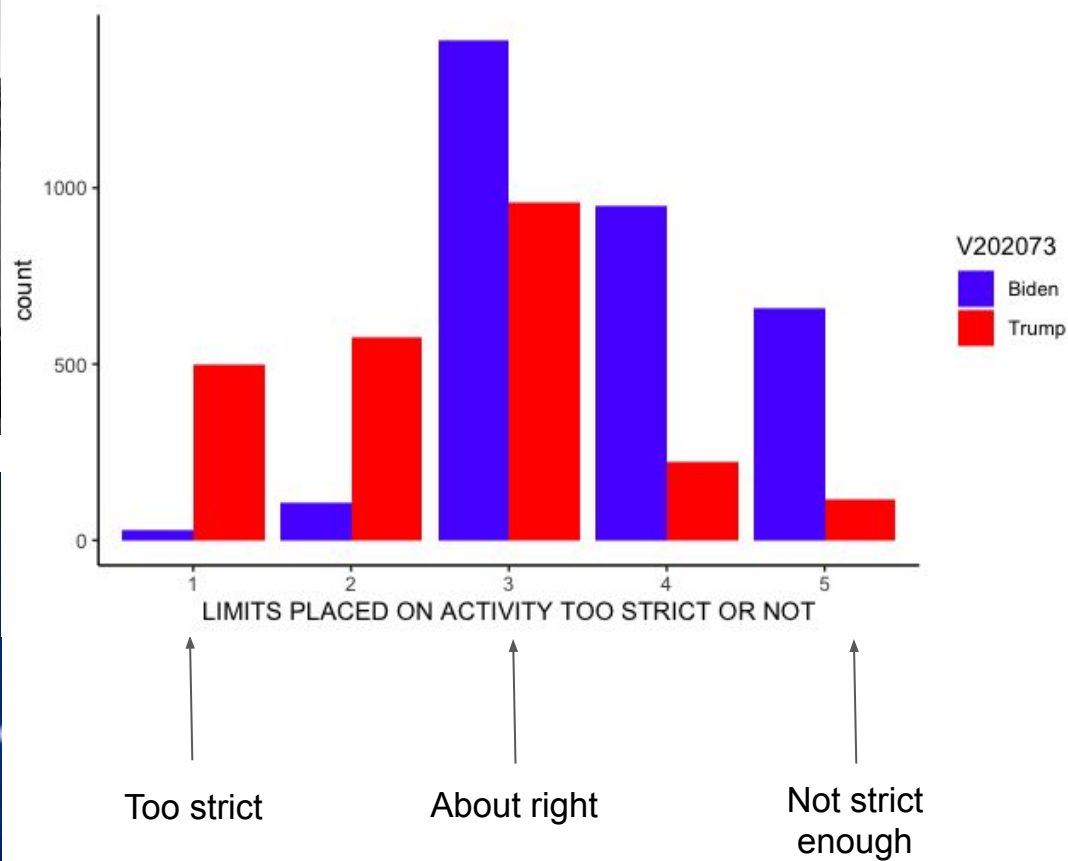
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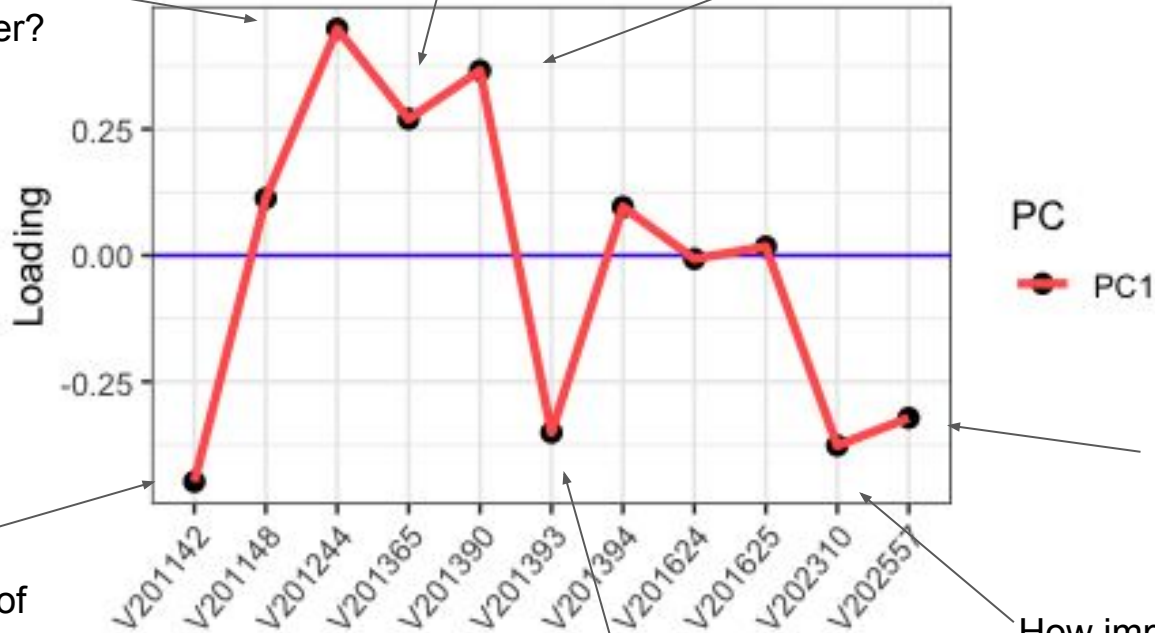


If the COVID-19 pandemic continues through Election Day in November, what do you think should be done?

Do you think the government's response to covid was too quick, too slow, or about right?

Which party handled Covid-19 better?

Loadings for the First PC



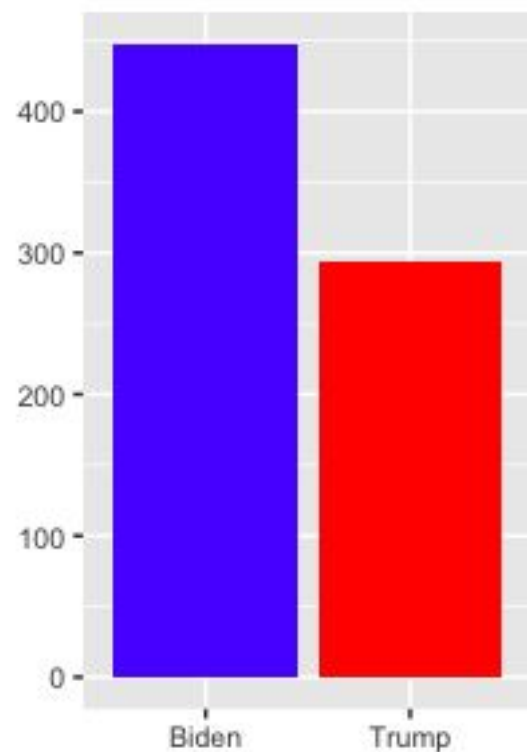
Was Covid-19 developed in a lab?

Do you approve of how Trump has handled covid??

Are limits too strict?

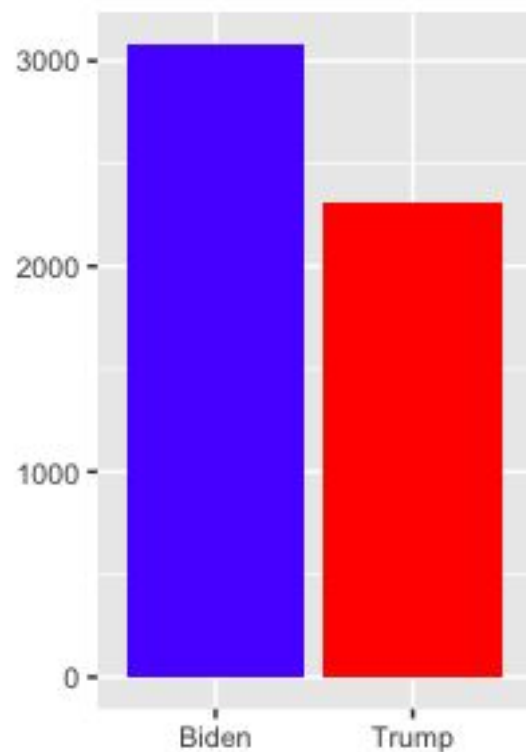
How important should science be for making decisions about covid?

Has had Covid



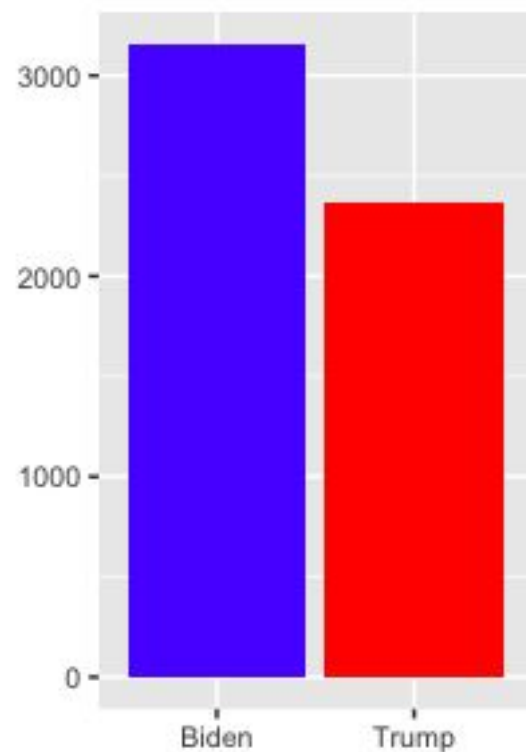
Biden Trump

Has not had Covid



Biden Trump

Total



Biden Trump

Conclusion

- Exit polling data is reproducible with the ANES survey, even though the survey uses a smaller sample size
- Questions asked in exit poll are very broad, but we found that they are the most important questions to ask voters
 - No evidence in the ANES survey to suggest that exit polls are failing to capture important factors to voters
- Trade off of asking a large sample size a few broad questions, or a smaller sample size many narrowed questions

