

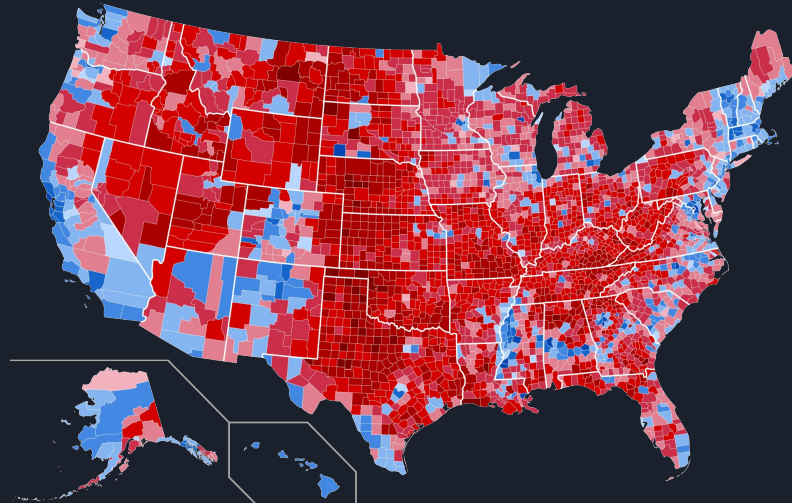
A blue parallelogram and a light green parallelogram are positioned in the upper-left corner of the slide. The background is a dark navy blue with several lighter blue diagonal stripes running from the bottom-left towards the top-right.

# I am a Data Scientist

DTS 350  
By: Karis Saplys

# Background Information About My Dataset

- County-level data for the 2020 US Presidential Election, between Joe Biden and Donald Trump
- I essentially ended up using TWO datasets, making use of the “**tidycensus**” package in RStudio to create accurate election maps
- I focused specifically on results for Missouri and its counties
- <https://www.kaggle.com/datasets/unanimad/us-elections-2020>



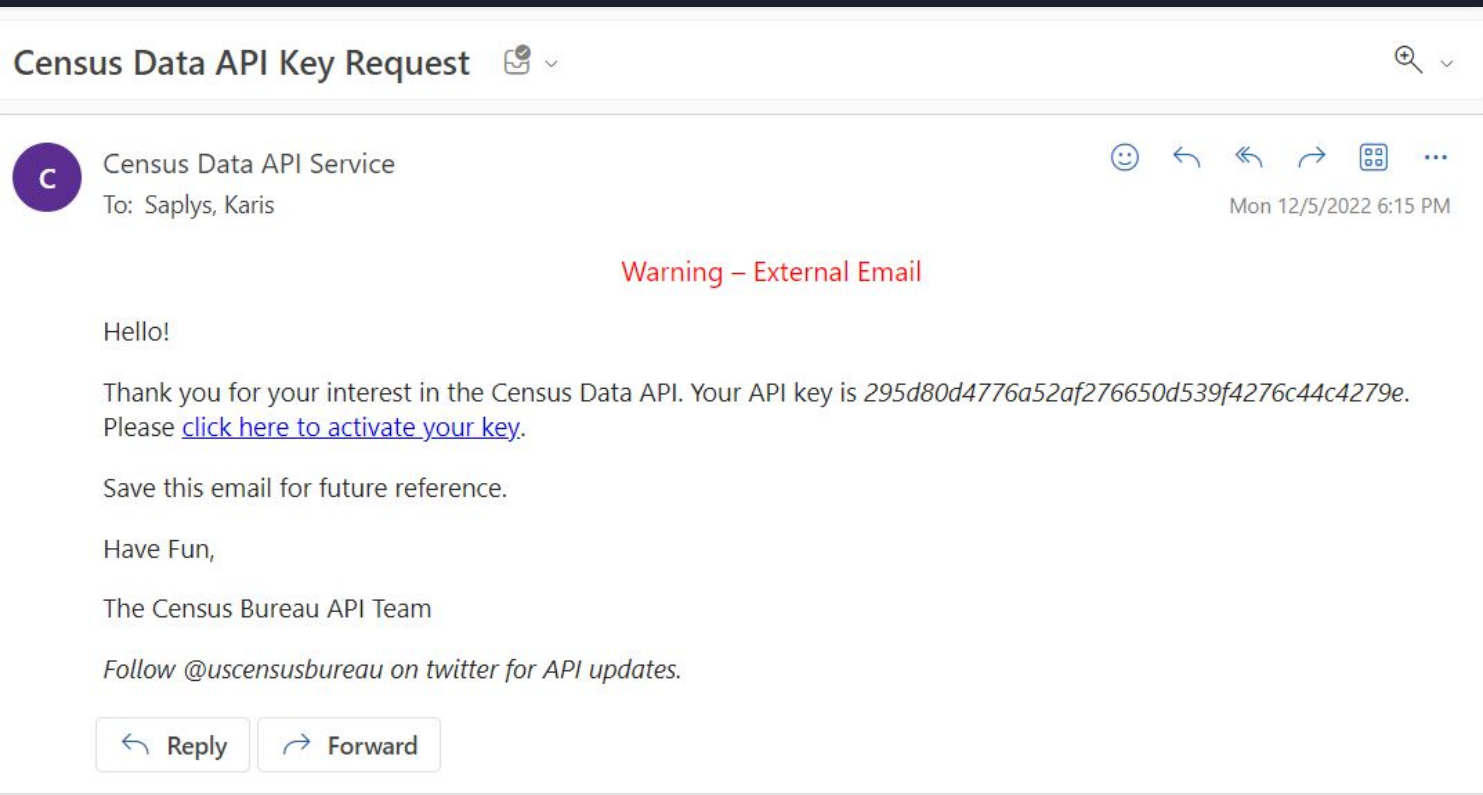


# How “Red” of a state is Missouri?

Battleground state no more...

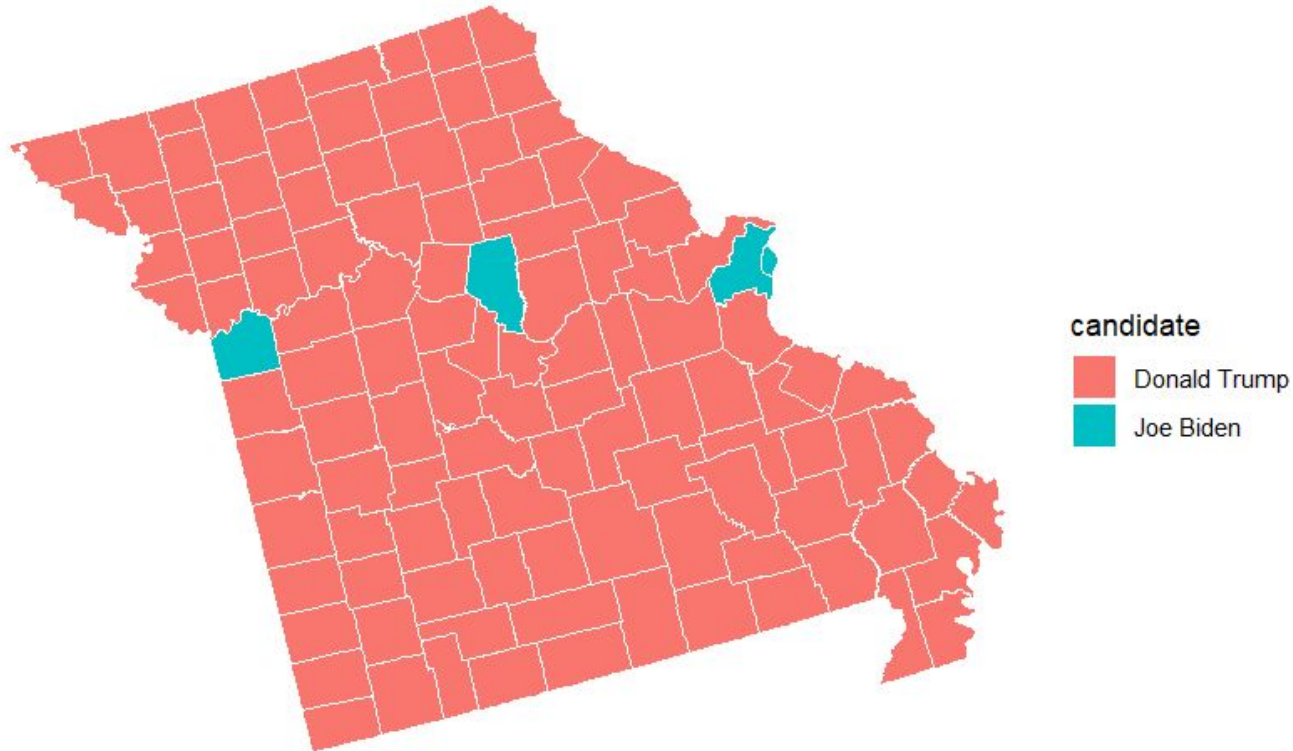
- What share of the state’s counties voted Republican? What and where were the exceptions that voted Democratic?
- Is the overall popular vote margin of victory for the GOP in line with the number of counties won? Do these line up with national trends?
- Which Missouri counties had the highest margin of republican victory? Which “big” counties had favourable results for the GOP? What was the nature/commonality of these counties (big/small, urban/rural, etc.)?

# Getting Started...



What share of the state's counties voted Republican? What and where were the exceptions that voted Democratic?

2020 Presidential Election Results By County - MISSOURI



There were 4 Democratic counties... what is the common thread?

Show  entries

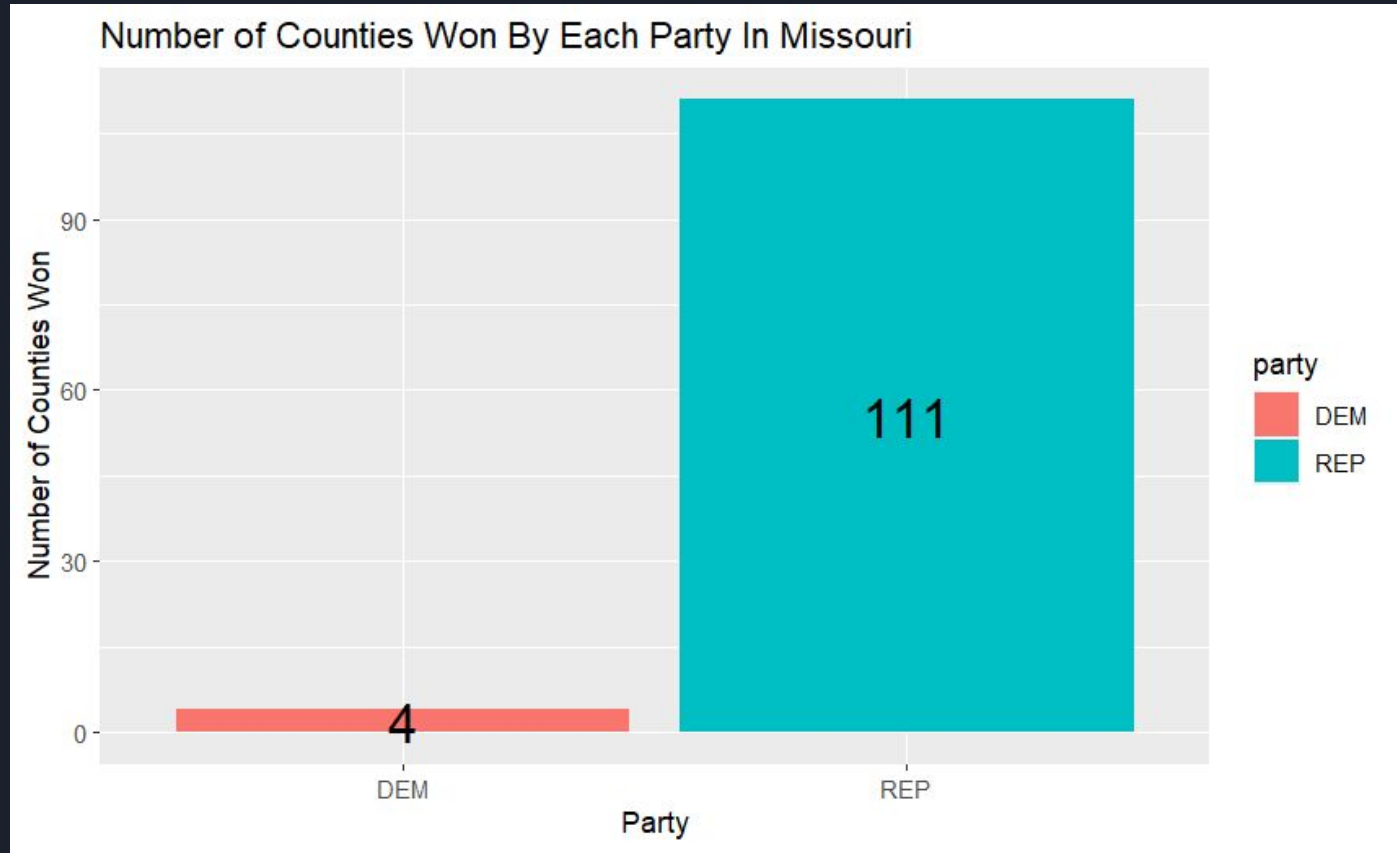
Search:

	state	county	candidate	party	total_votes	won
1	Missouri	Boone County	Joe Biden	DEM	50064	true
2	Missouri	Jackson County	Joe Biden	DEM	199842	true
3	Missouri	St. Louis County	Joe Biden	DEM	328151	true
4	Missouri	St. Louis city	Joe Biden	DEM	110089	true

Showing 1 to 4 of 4 entries

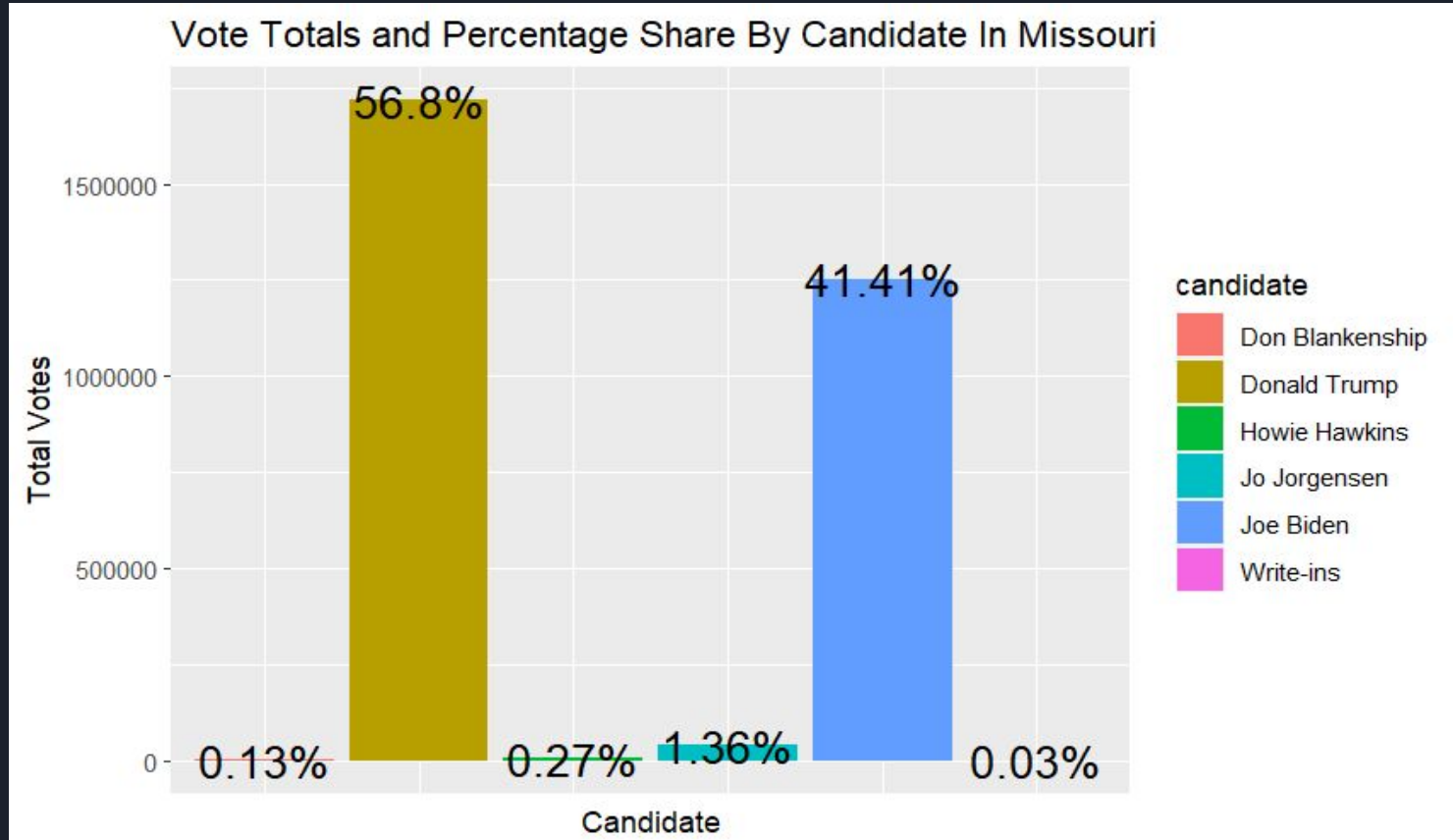
Previous  Next

Is the overall popular vote margin of victory for the GOP in line with the number of counties won? Do these line up with national trends?




Percentage share of statewide popular vote by candidate...

Trump won 1,718,736 to Biden's 1,253,014, for a difference of about 16 points







Which Missouri counties had the highest margin of republican victory?  
Which “big”/populous counties had favourable results for the GOP? What was the nature/commonality of these counties (big/small, urban/rural, etc.)?

<file:///C:/Users/karis/Downloads/Saplysk/viz4.html>



# Conclusions drawn and final thoughts...

- Missouri's election results are in line with national trends, but are perhaps even more pronounced (urban/rural divide, expected results in more populous counties, etc.)
- The counties won by Democratic nominee Joe Biden were all characteristic of Democratic-voting counties in otherwise "Deep Red" states
- Given the massive difference in counties won, a double-digit difference in the popular vote margin, and across the board dominance by the GOP, it is fair to classify Missouri as a "Solidly Republican" state
- If trends continue, it is not implausible for Missouri to reach "Deep Red" status in the next two election cycles

THANK  
YOU!

