

INTRODUCTION

- Population projections from the US Census Bureau predicts population growth
- Does the size of a region's population significantly influence car emissions?

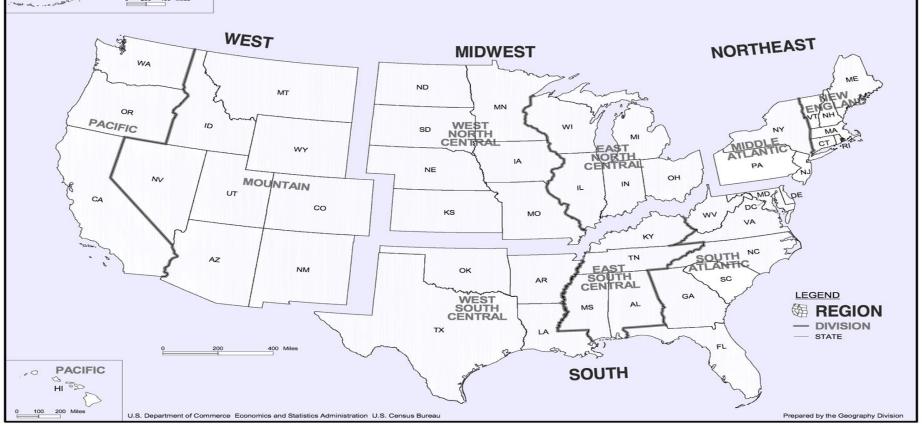
STUDY

- In our study we looked at CO2 emissions by region & population by year.
- We gathered population data for 2017 from the U.S Census
 Bureau and total carbon emissions for all 50 states from 2010 2017 from the U.S. Energy Information Administration.
- We hypothesized that there is no difference between carbon emissions and population size.



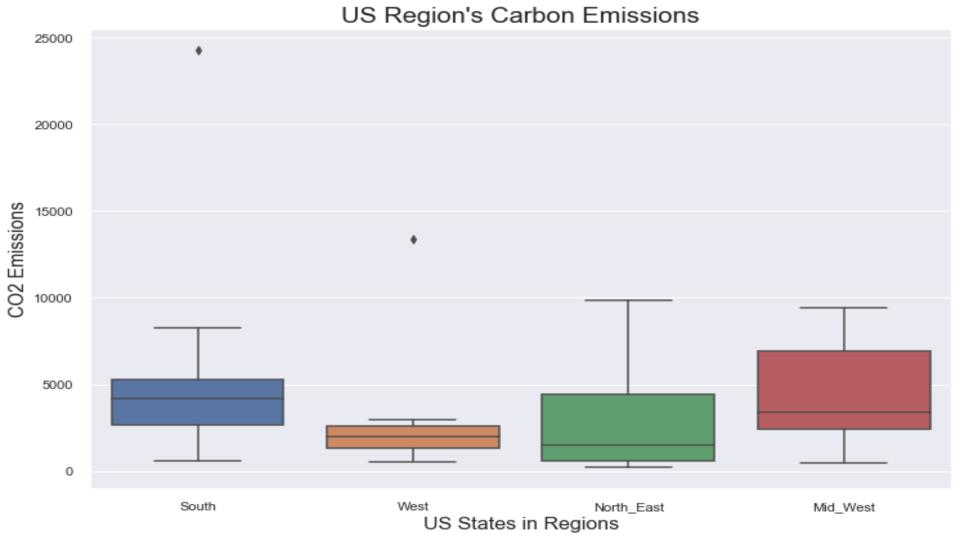
https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us_regdiv.pdf

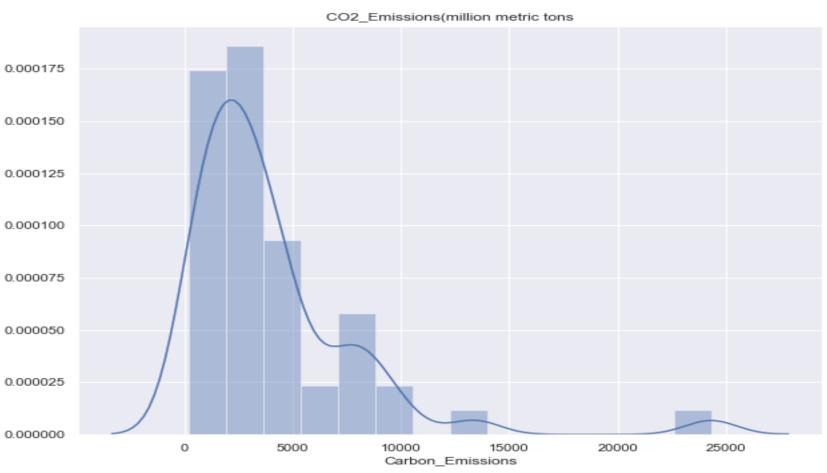
Census Regions and Divisions of the United States



REGIONS OF THE USA

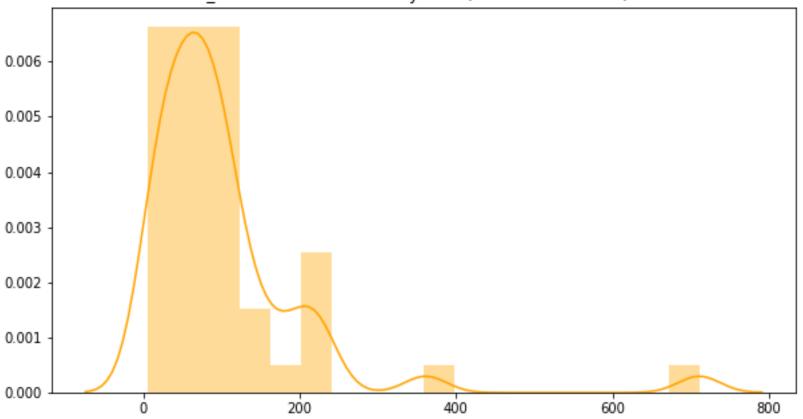


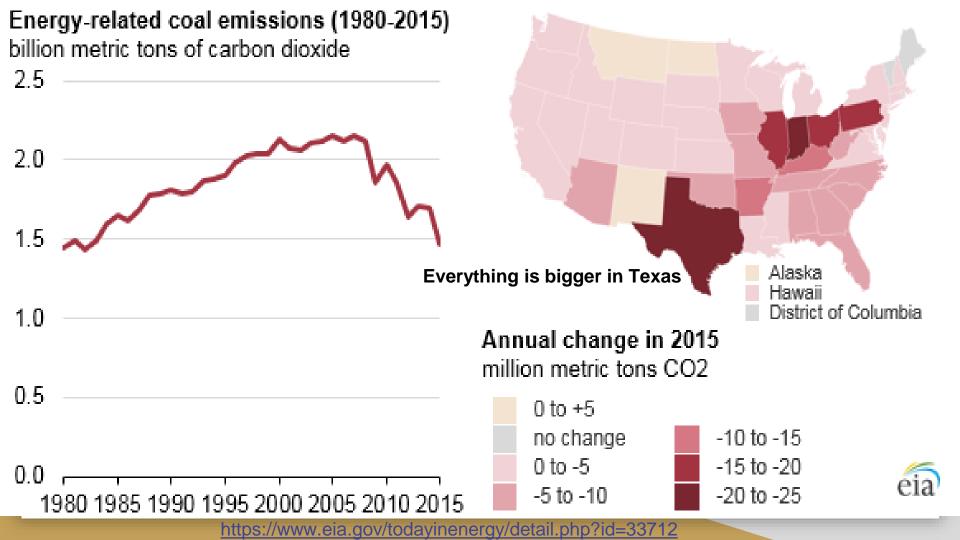




Sum carbon emissions distribution by state from 2010 - 2017

CO2_Emissions Distribution by State(million metric tons) 2017





CONCLUSION

- Measuring the population percentile for south, west, midwest, north-east regions were 37%, 23%, 21%, 17%, respectively.
- The carbon emission proportions showed no correlation with population leading us to say the population size does not have a significant effect on the carbon emission.

