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Project Proposal
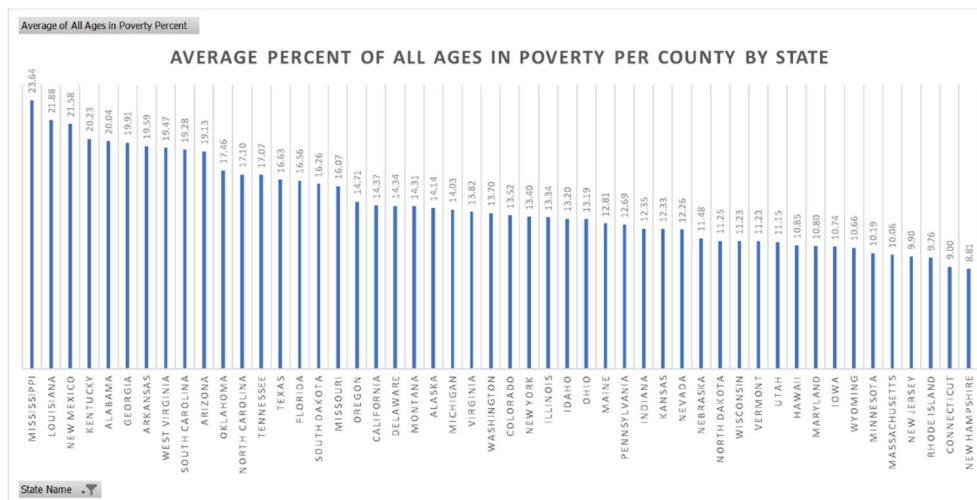
Project Overview

Many residents in the United States are only one $400 emergency away from having to declare bankruptcy. Where are these people located? Who is most susceptible, based on where natural disasters occur, where are there high hospitalization rates, and what are the local politics in these areas?

Data Sources

- Percentage of people in a given US county at or below the poverty line.
  - https://www.census.gov/data-tools/demo/saipe/saipe.html?s_appName=saipe&menu=map_proxy&map_yearSelector=2017&map_geoSelector=aa_c
- FEMA Disaster Declaration Summary .shp
  - https://www.fema.gov/data-visualization-disaster-declarations-states-and-countiesUS
- Congressional Districts and Their Parties
  - https://ballotpedia.org/List_of_current_members_of_the_U.S._Congress
  - https://www.census.gov/geo/maps-data/data/cbf/cbf_cds.html
- Healthcare Cost and Utilization Across the United States
  - https://catalog.data.gov/dataset/healthcare-cost-and-utilization-project-hcup-national-inpatient-sample-4a7c2

Data Overview

Political Party (Red vs Blue) of counties with % all ages in poverty above 2nd quartile.

Analysis Direction

This data will be used to answer the questions by allowing the reader to locate where people at risk of declaring bankruptcy are and compare that to certain information, such as likelihood of natural disaster, local political affiliations, and hospitalization rates. Part of the data will be joined and put into a shapefile, specifically the pollical party data. In the maps, the data will also be put through the field calculator to determine states which are at a high risk of FEMA Disaster declaration.

Expected Results

The results expected to determine which factors seem to be most correlated. This can be used to further society by determining which areas may need more economic assistance given these factors and to detect if there are any trends. Virtually the only factor the subjects can control is political party, so determining if there is any trend in that data can help future voters make decisions which may impact their livelihood.