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Data Analytics Final Project

Hypothesis and Conclusions

**Obesity Percentages throughout US States**

**Hypothesis:** Does the USA have an obesity crisis localized in a specific region? Do specific regions of the USA experience less amounts of obesity.   
  
**Context:** I am dividing the US regions as per the officially recognized regions map that is distributed by the US Census Bureau  
  
**Data:** The CSV file contains the average percentage of people with obesity, organized by state.

**Process:** This data set was selected because it was the clearest and most organized to work with and provided opportunity for hypotheses and conclusions to be made. After downloading the data, I found that it was already in an Excel file. I made a copy of it to utilize for creating graphs in order to maintain the original file and uploaded the original file to GitHub. The copy of the file was used to make the graph and was also uploaded to GitHub. The analytical tool used was Excel’s graph making feature. Once created, it was organized to display from highest percentages of obesity to lowest. This allowed to clear and quick comprehension of the data.

**Conclusion**

Based on the chart created in Excel, states in the Southern region of the USA have higher percentages of obesity. This conclusion was made because the first six states with the highest amounts of obesity are all located in the Southern region. In descending order (highest percent to lower) these states are: Louisiana, Alabama, West Virginia, Mississippi, Kentucky, and Arkansas.

Based on the data, the six states with the lowest amounts of obesity are: Massachusetts, California, Montana, Hawaii, District of Columbia, and Colorado being the lowest in obesity percentages. The conclusion here is that the lowest amounts of obesity are not localized to a US region as all of these states are in different locations throughout the US.

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A blue graph with white numbers

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These are included snippets of the Excel chart. These snippets show the states with the highest amount of obesity and the states with the lowest amount of obesity.

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A map of the united states

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**CSV Data source:** <https://catalog.data.gov/dataset/national-obesity-by-state-d765a>

**USA official recognized regions:** https://www2.census.gov/geo/pdfs/maps-data/maps/reference/us\_regdiv.pdf