

Visualize spatial data

The map was created based on five files:

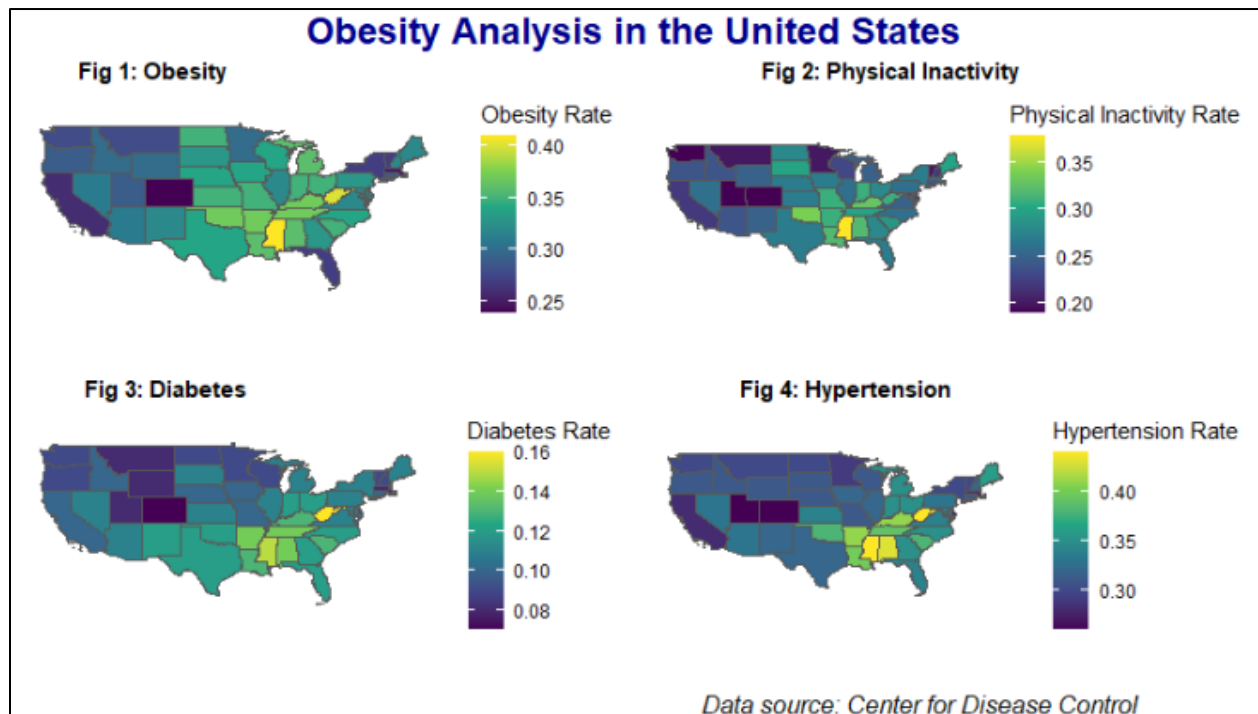
1. USA base map shp - source: the census.gov
2. Obesity Rate csv - source: Center for Disease Control (CDC)
3. Physical Inactivity Rate csv - source: Center for Disease Control (CDC)
4. Diabetes Rate csv - source: Center for Disease Control (CDC)
5. Hypertension csv - source: Center for Disease Control (CDC)

I filtered out few geographical areas such as Alaska, Hawaii, and Puerto Rico for better visibility, presentation, and simplicity in the preprocessing stage. I also created a custom clean theme to be applied to the map.

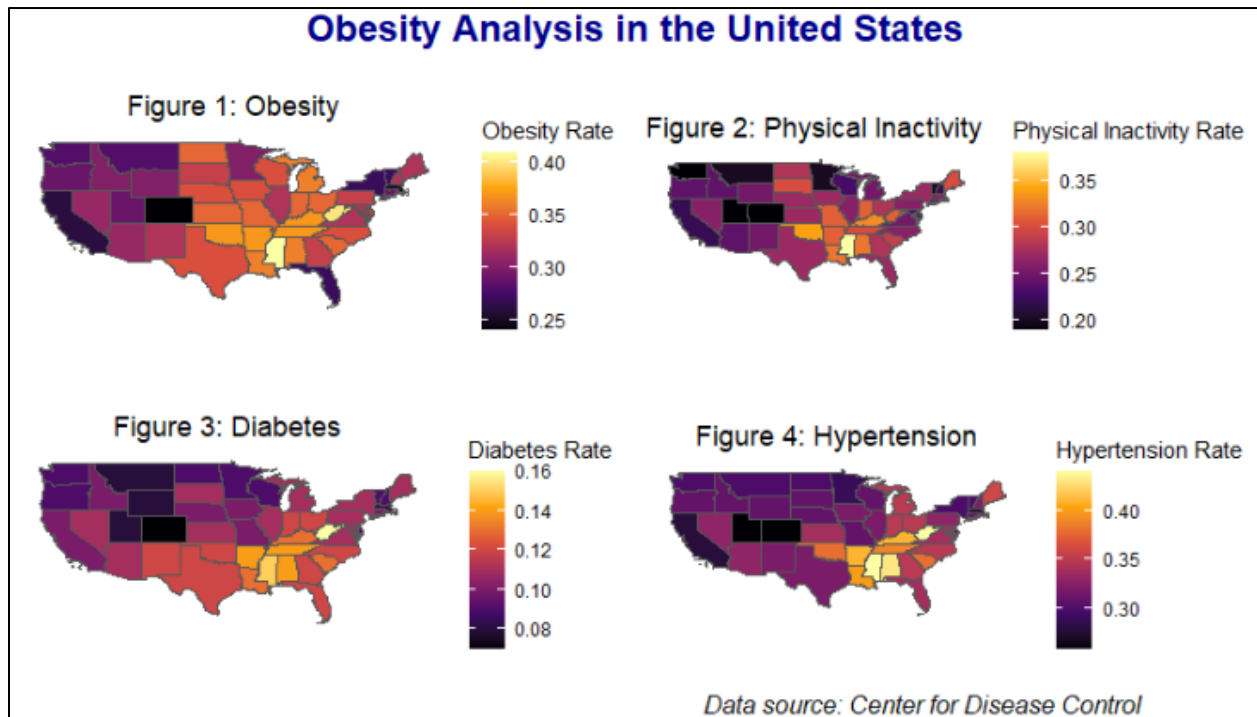
The map contains four visualizations, one for each topic: obesity, inactivity, diabetes, and hypertension. The goal is to analyze obesity in the USA and related drivers and implications by state.

Two maps were created with different designs and formats.

Map #1:



Map #2:



Takeaway:

- The map indicates a high obesity problem in the state of Mississippi, West Virginia, and Alabama.
- We can also see high physical inactivity for the same states compared to the rest of the USA.
- Diabetes is highest in West Virginia and Mississippi.
- Lastly, hypertension is highest in Mississippi, West Virginia, and Alabama.
- **This map indicates that the USA needs to develop a targeted strategy for obesity within the SouthEast region.**