

Is Your Neighborhood Fat?

Jonathan Toro

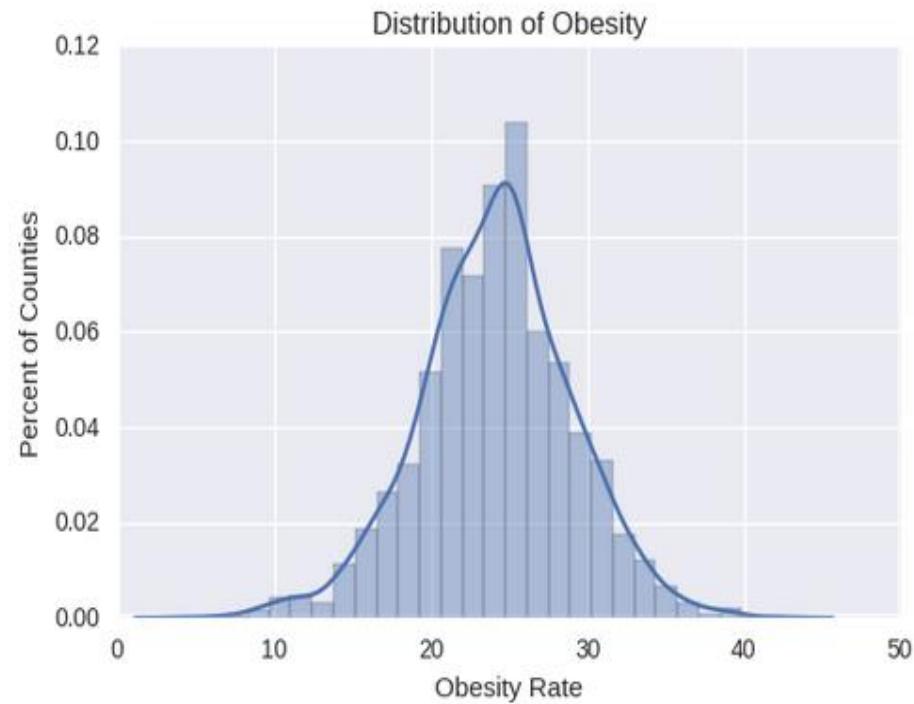
Why should we care about the obesity rate?

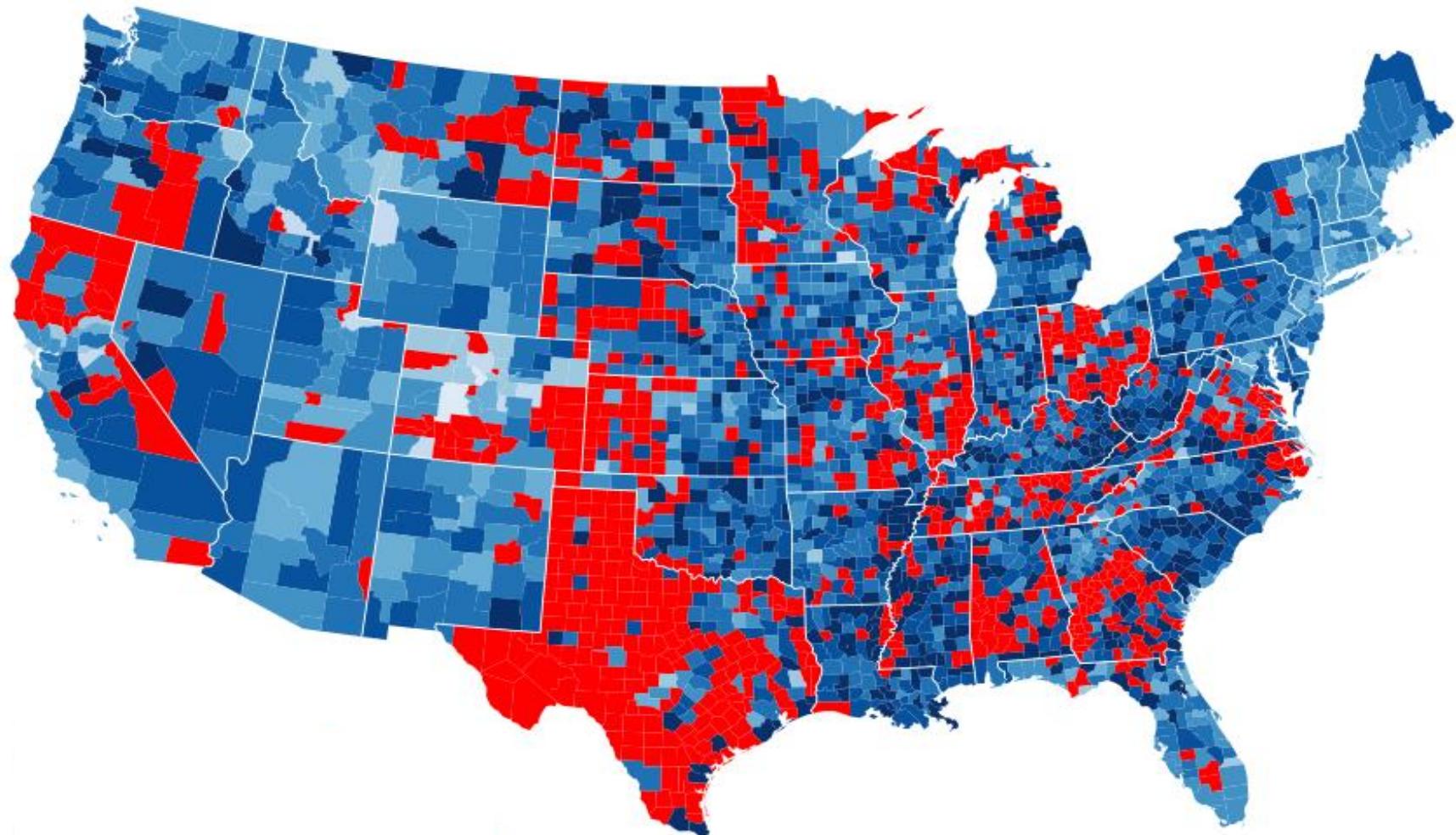
- High blood pressure
- Type 2 diabetes
- Coronary heart disease (America's biggest killer!)
- Clinical Depression
- Stroke

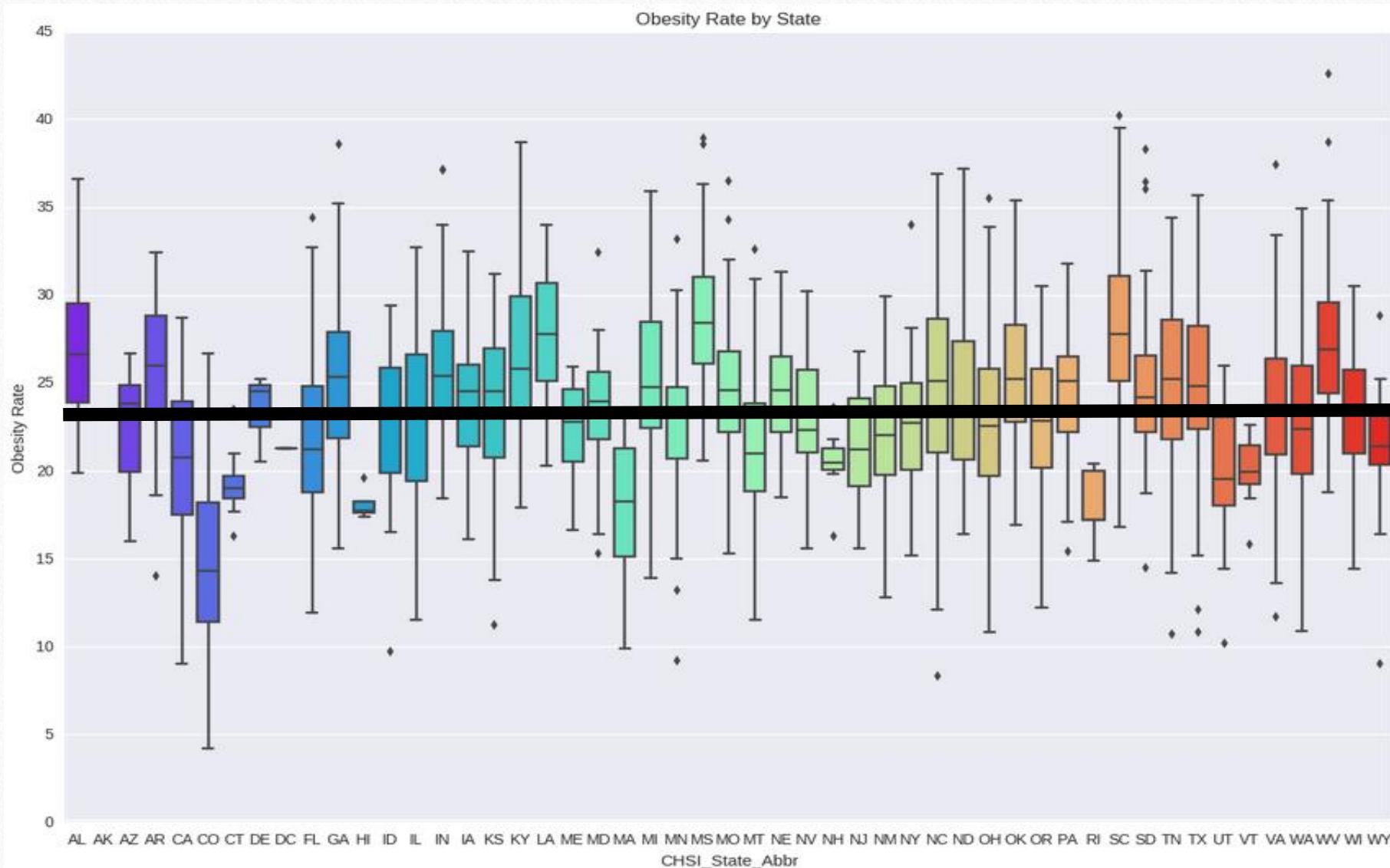
CHSI County Data Set

- Demographics
- Environmental Health
- Leading Causes of Death
- Relative Health Importance
- Preventive Services Use
- Risk Factors and Access to Care

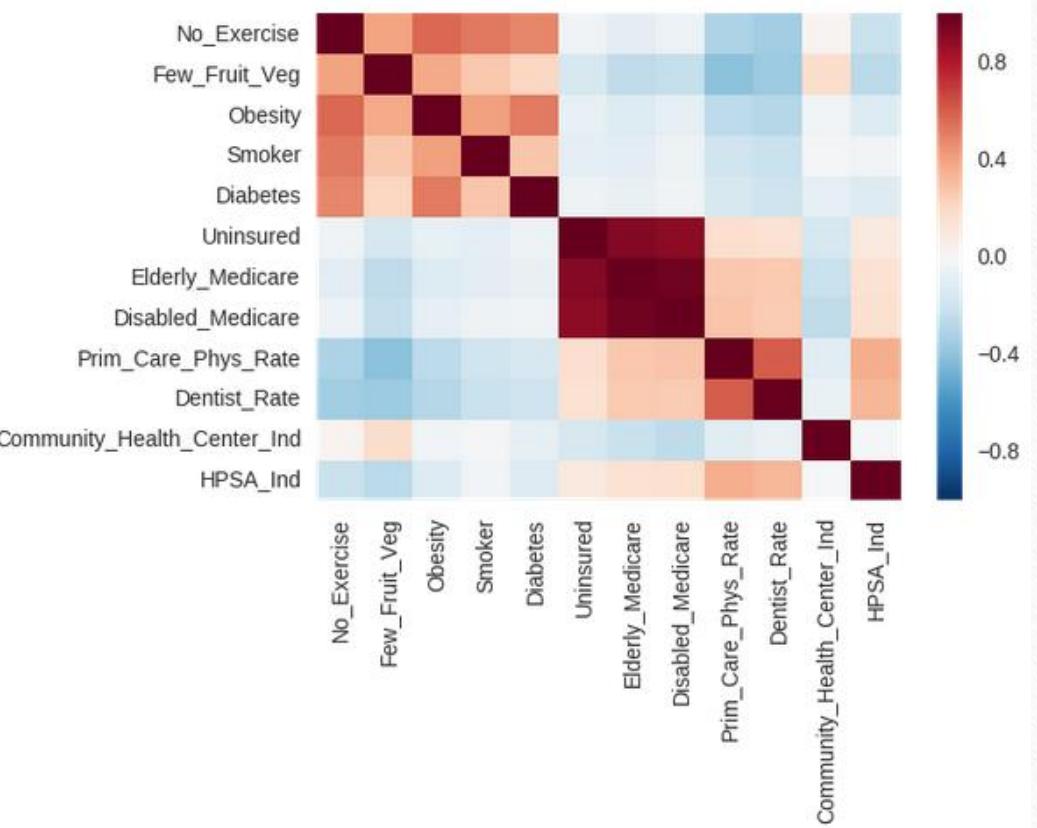
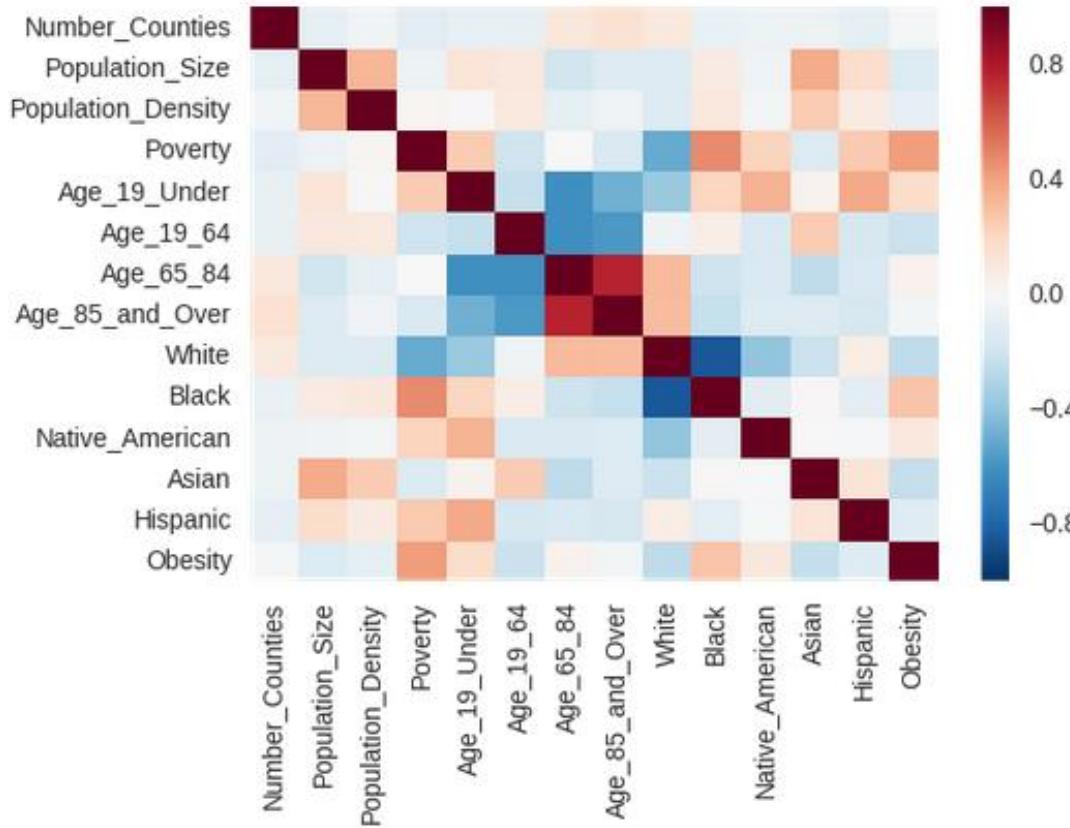
Visualizing Obesity Rates





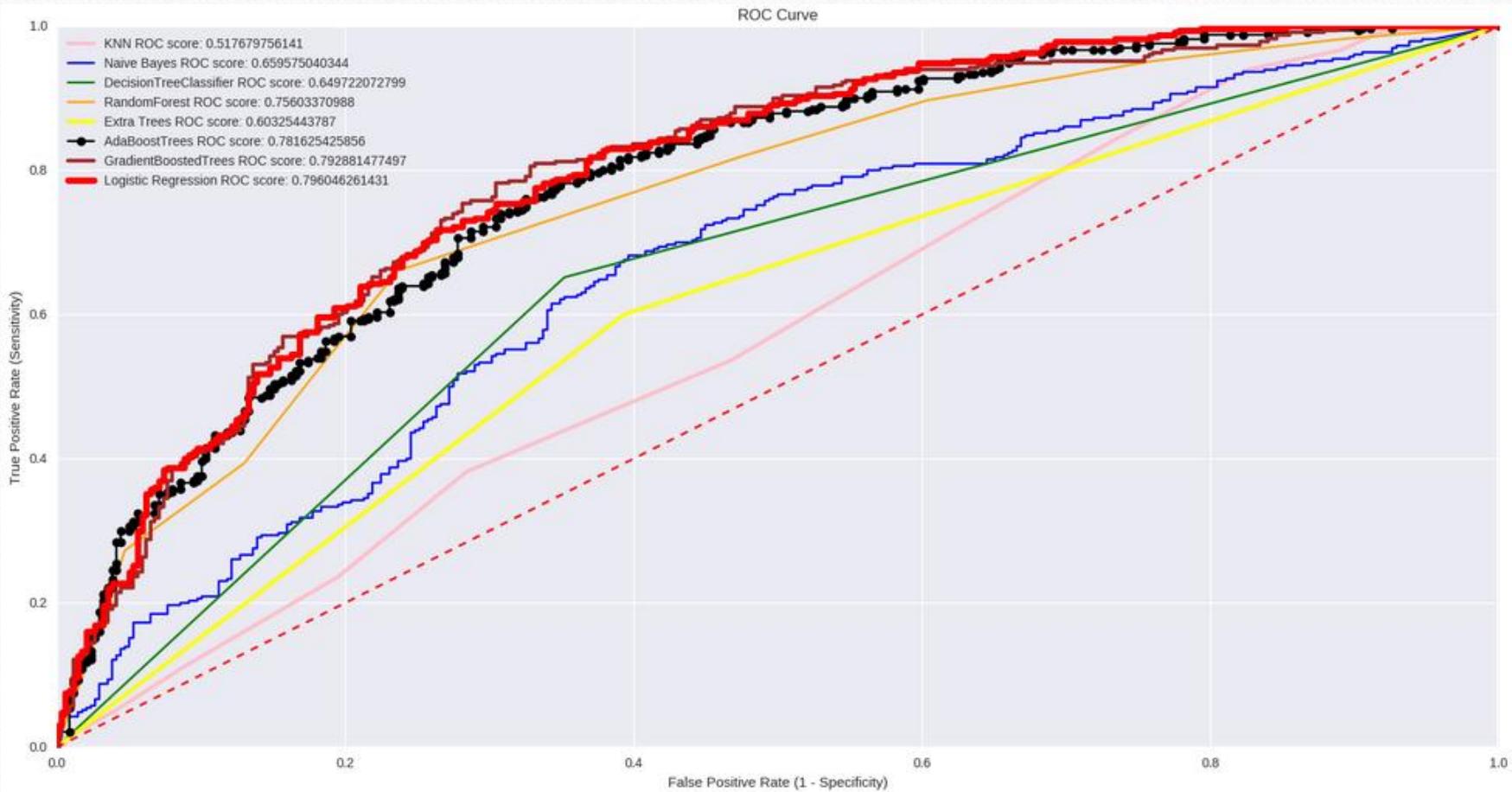


Interesting Observations

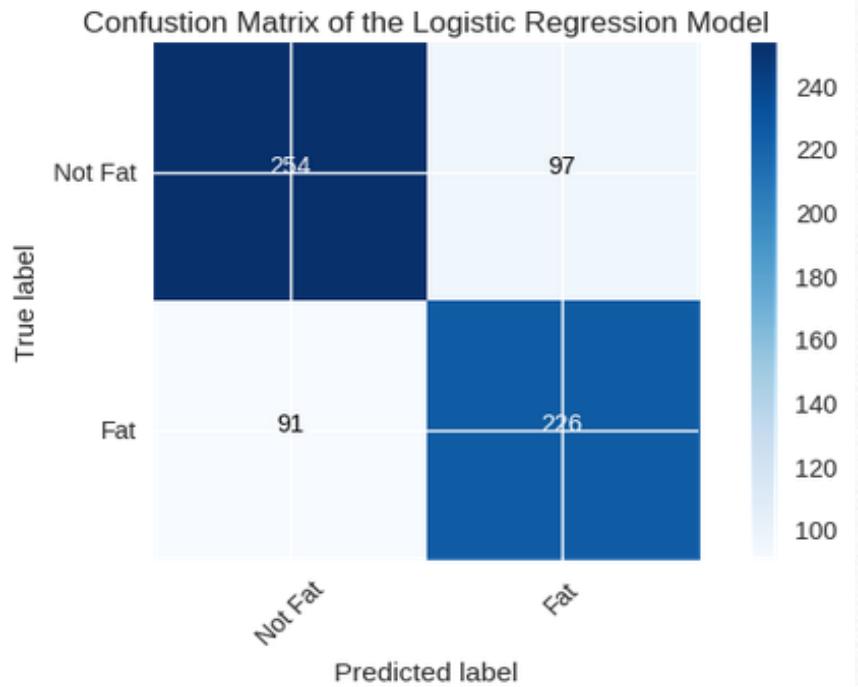


Most Important Features

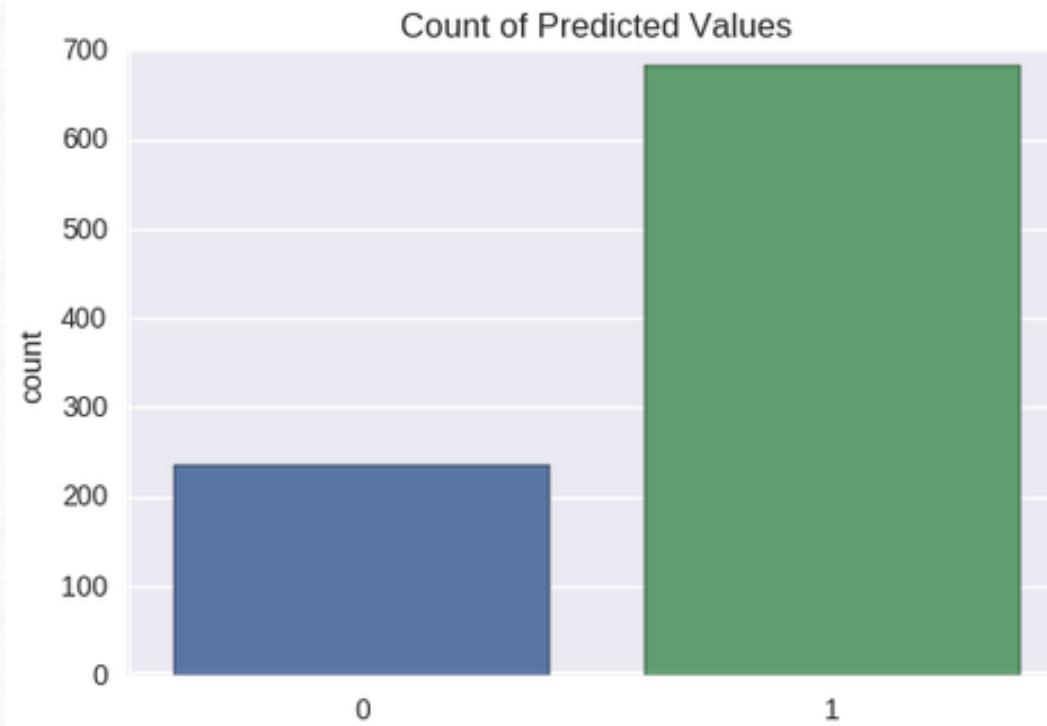
- No Exercise
- Diabetes
- Few Fruit and Vegetables
- Primary Care Physician Rate
- Poverty
- Black
- Age 19-64
- Dentist Rate
- Asian
- Toxic Chemicals
- Recent Drug Use
- Females with Heart Disease
- Age 19 under
- White
- Major depression



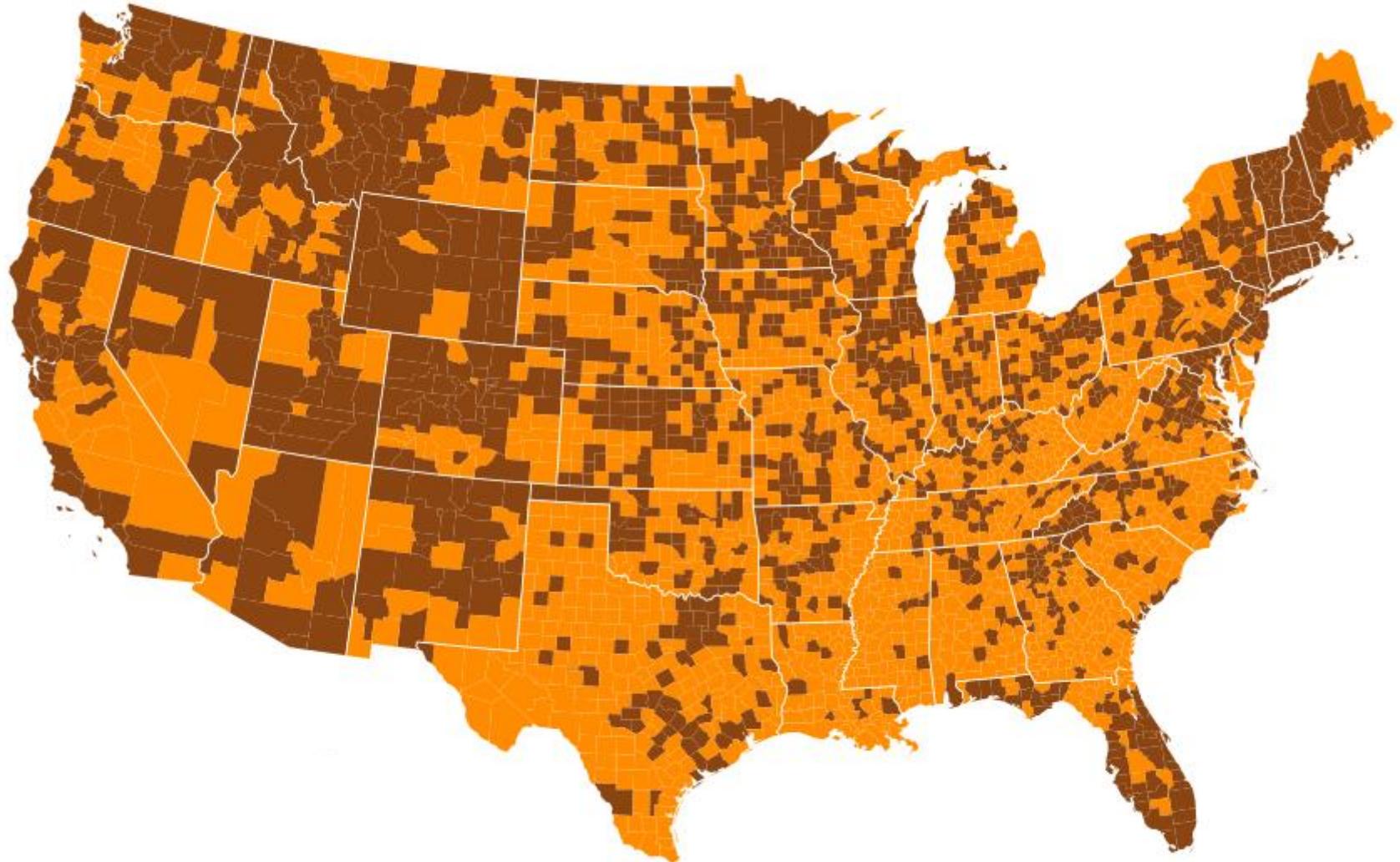
Logistic Regression Wins!



Surprising Results



Fat
Not Fat



Conclusions

- Obesity is evident throughout all of America
- A possible way to fight obesity is to educate people younger than 19 years about exercise and diet
- Race and culture affects the chance of being obese
- Midwest has the highest concentration of lower obesity rates