

How Chronic disease affect people's lives in USA

BY

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Background

A chronic condition is a physical or mental health condition that last more than one year and require ongoing monitoring or treatment. Chronic disease are among the most prevalent and costly health condition in USA. It has related impact on business such as absenteeism and Presenteeism according to the Center of Disease Control and Prevention(CDC) Nearly half of Americans 45% suffer from at least one chronic disease. Two thirds of deaths are caused by five chronic disease: heart diseases, Cancer, Stroke, COPD and diabetes

In this presentation we are going to discuss the correlation between Premature mortalities among adults and chronic diseases . Then we will analyze the trend of premature mortalities among Region, States, gender and Race. We will also look at factors that are influencing premature mortalities

Data source



<https://chronicdata.cdc.gov/chronic-disease-indicators/u-s-chronic-disease-indicators-cdi-/g4ie-h725>



<https://chronicdata.cdc.gov/behavioral-risk-factors/behavioral-risk-factor-surveillance-system-brfss-p/>



Exploratory data analysis

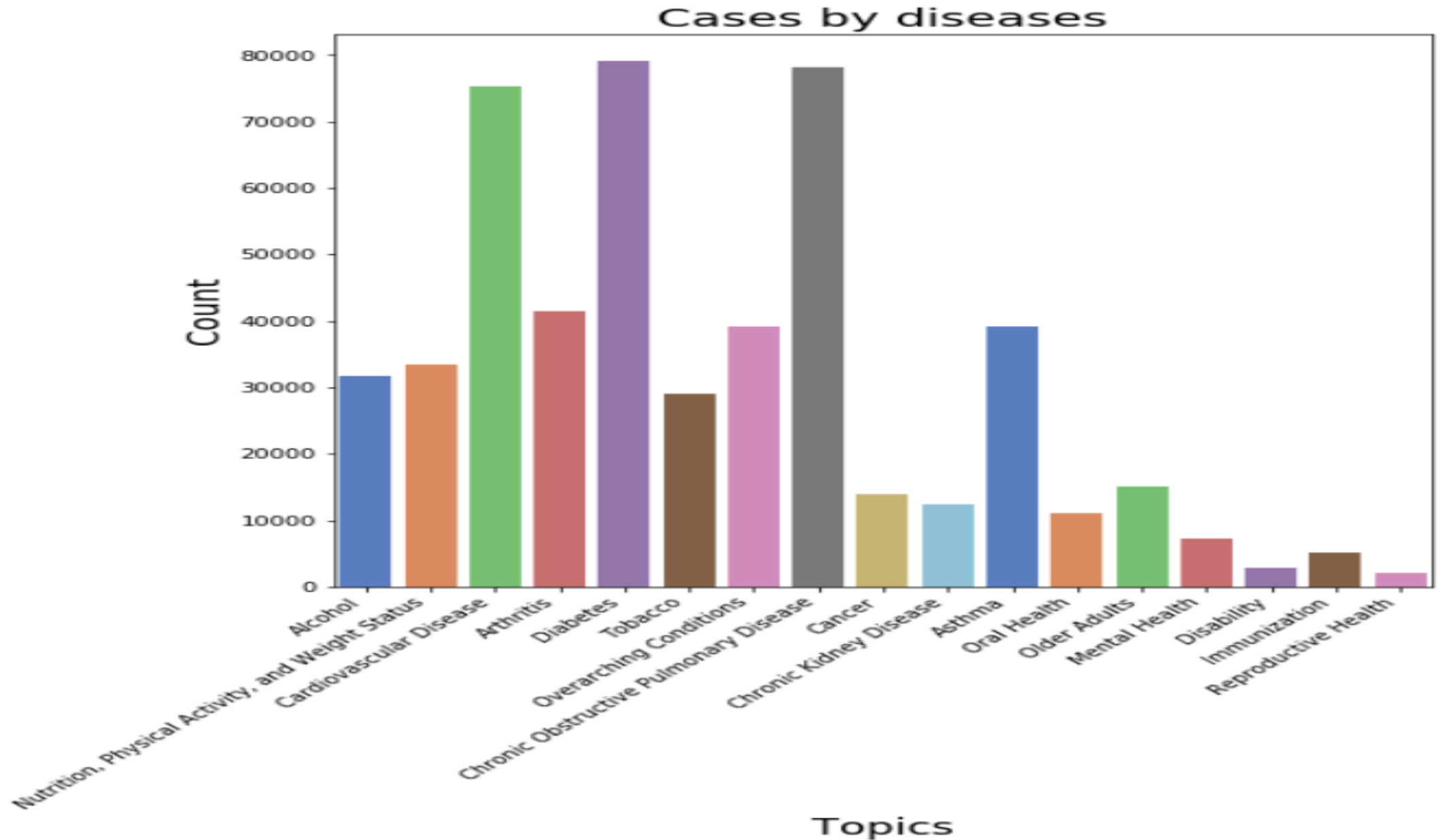


Chronic disease indicators



Year 2010 to 2016

Disease Analysis

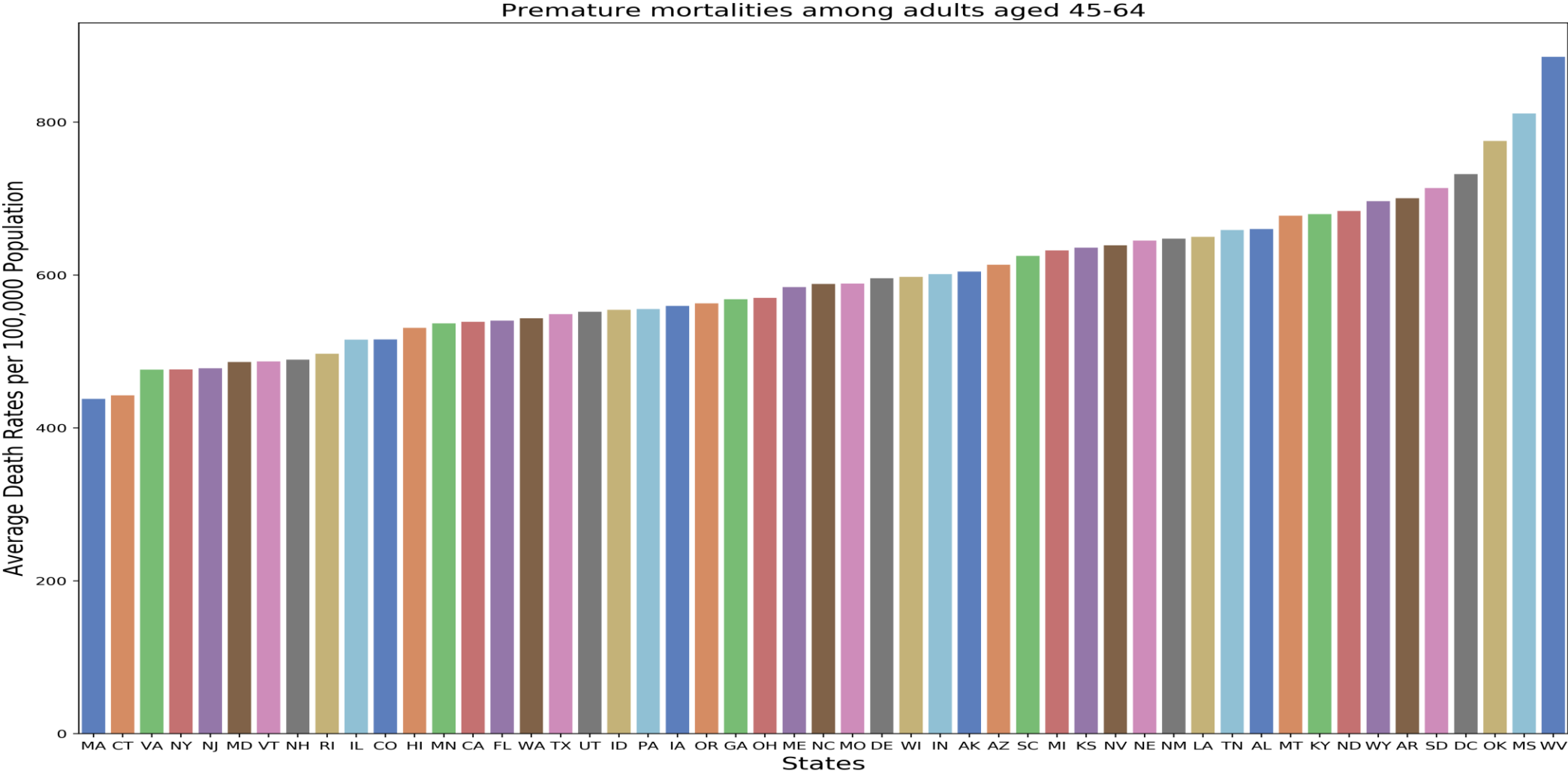




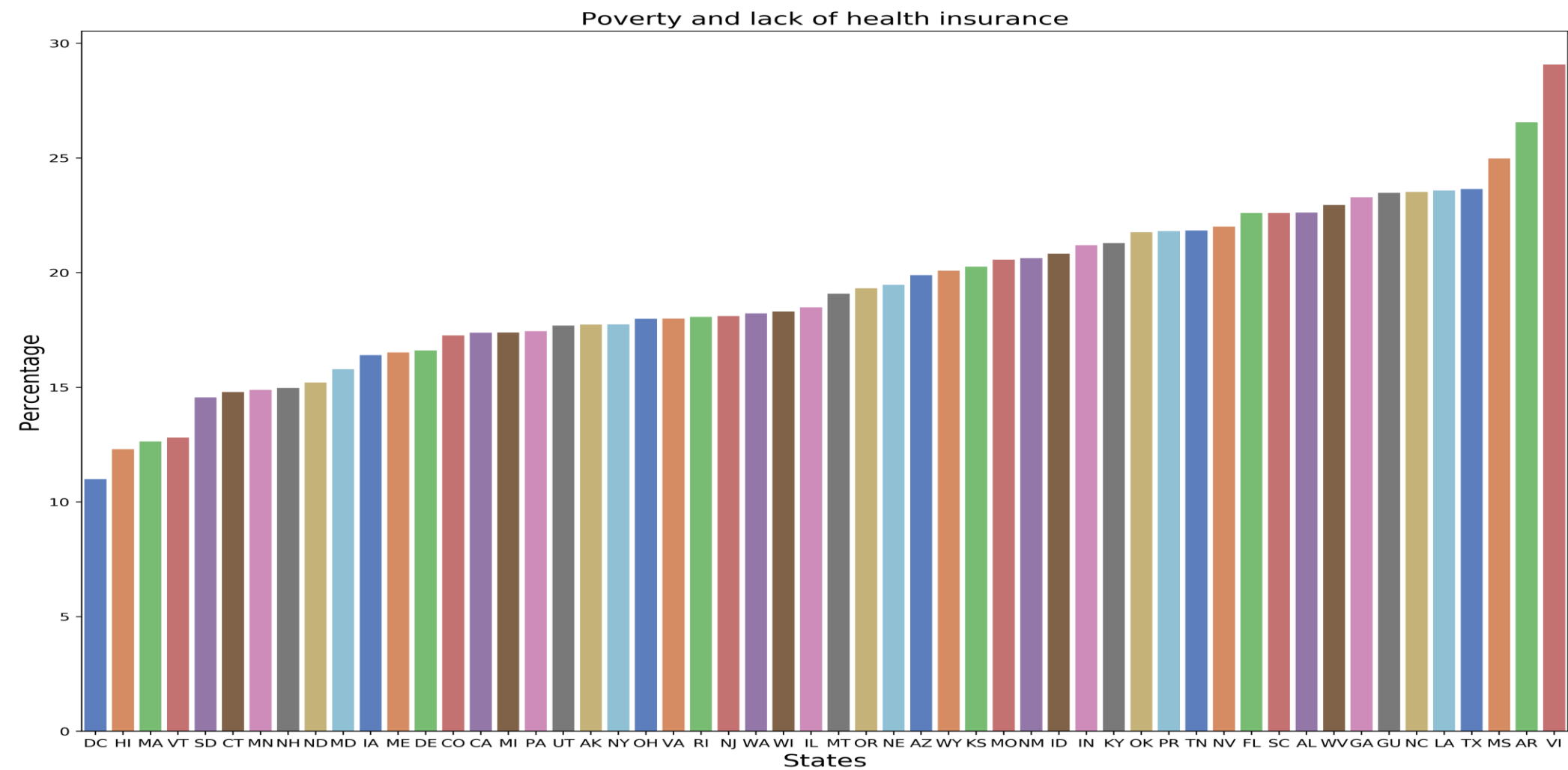
Correlation between premature mortalities and chronic disease

- Based on Data Analysis, there is high correlation between Premature mortalities among adults aged 45-64 and chronic kidney disease, diabetes and different type of Cancer

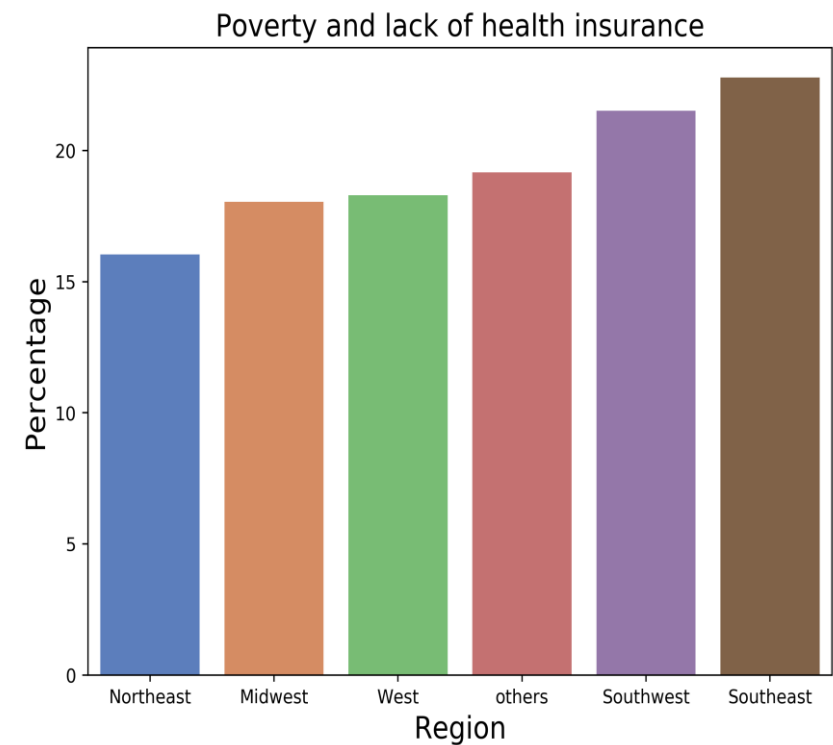
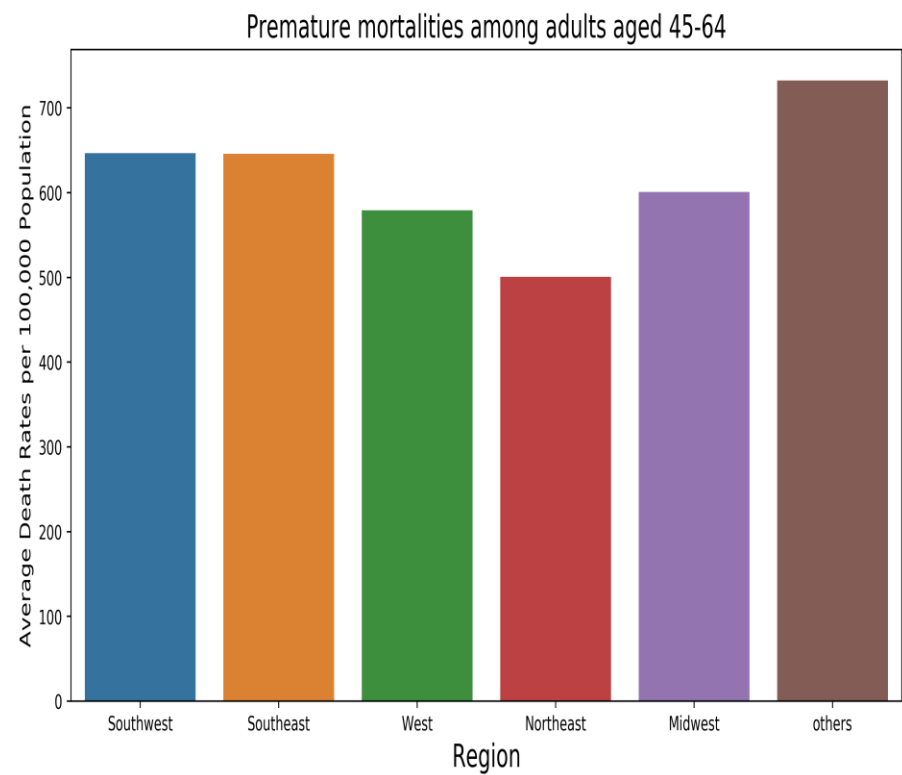
Premature mortality analysis by States and Territories



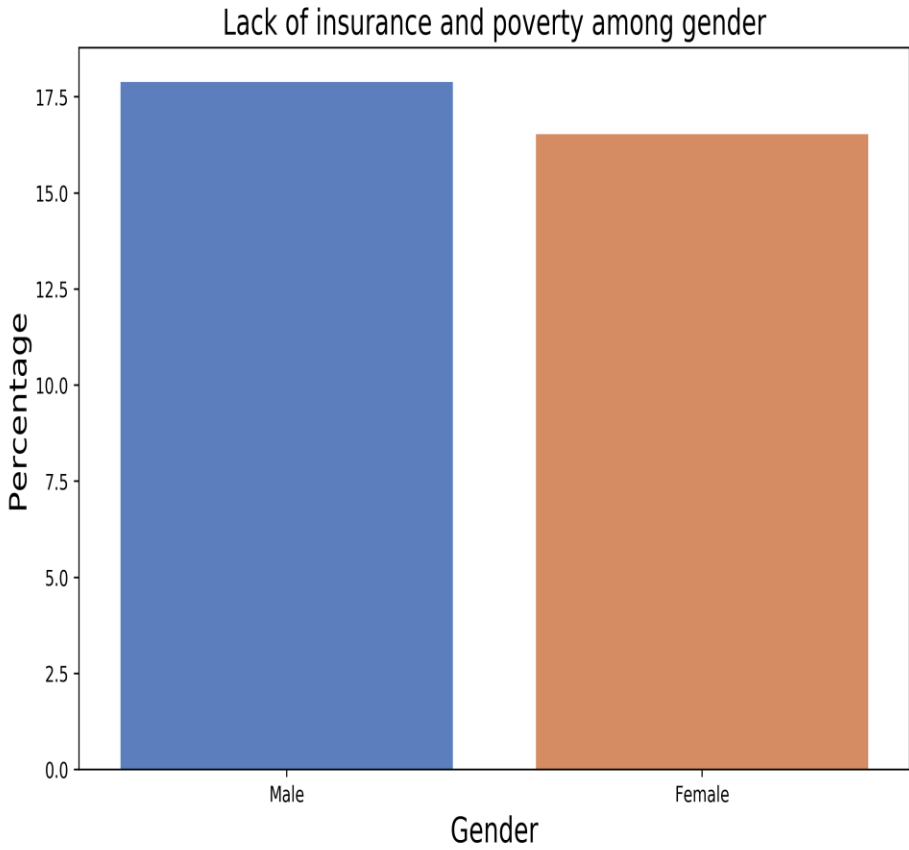
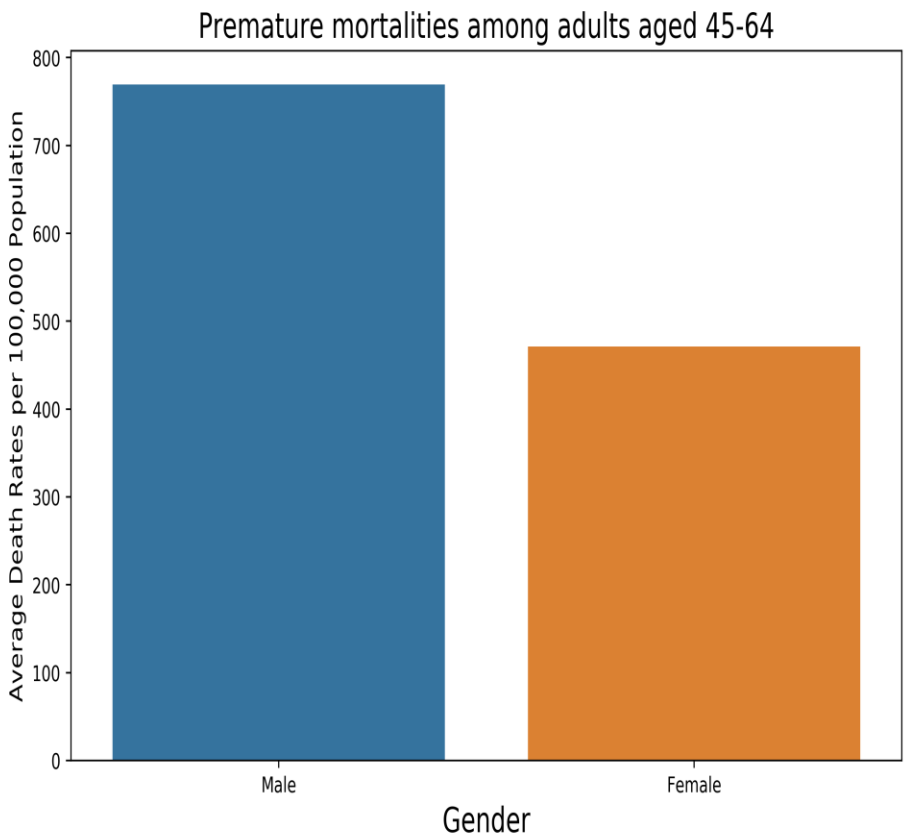
Poverty and lack of insurance analysis by States and Territories



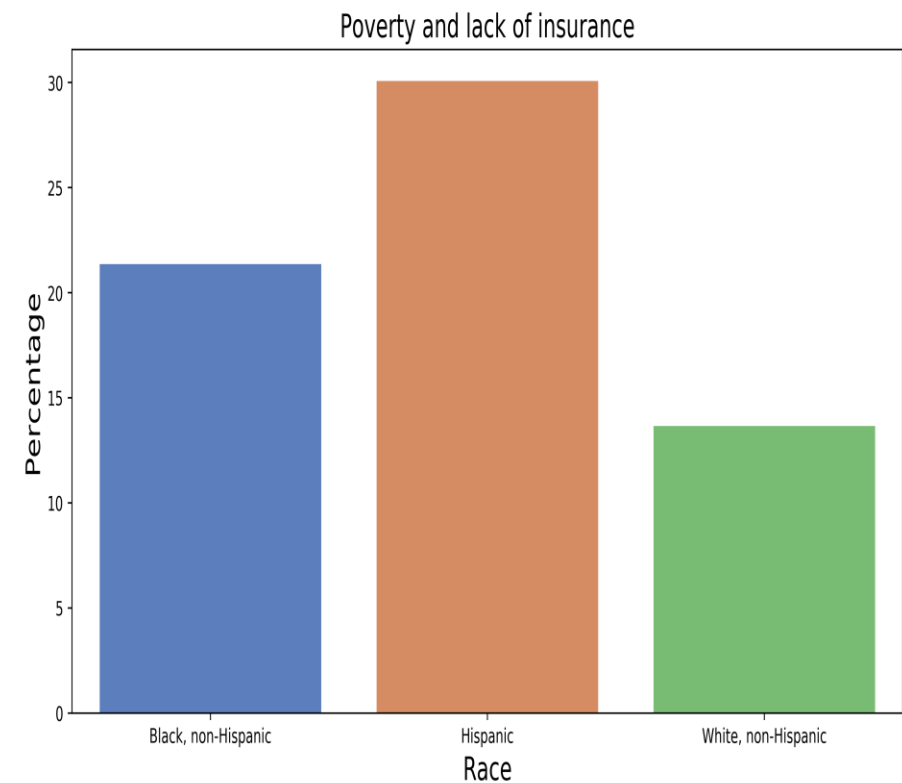
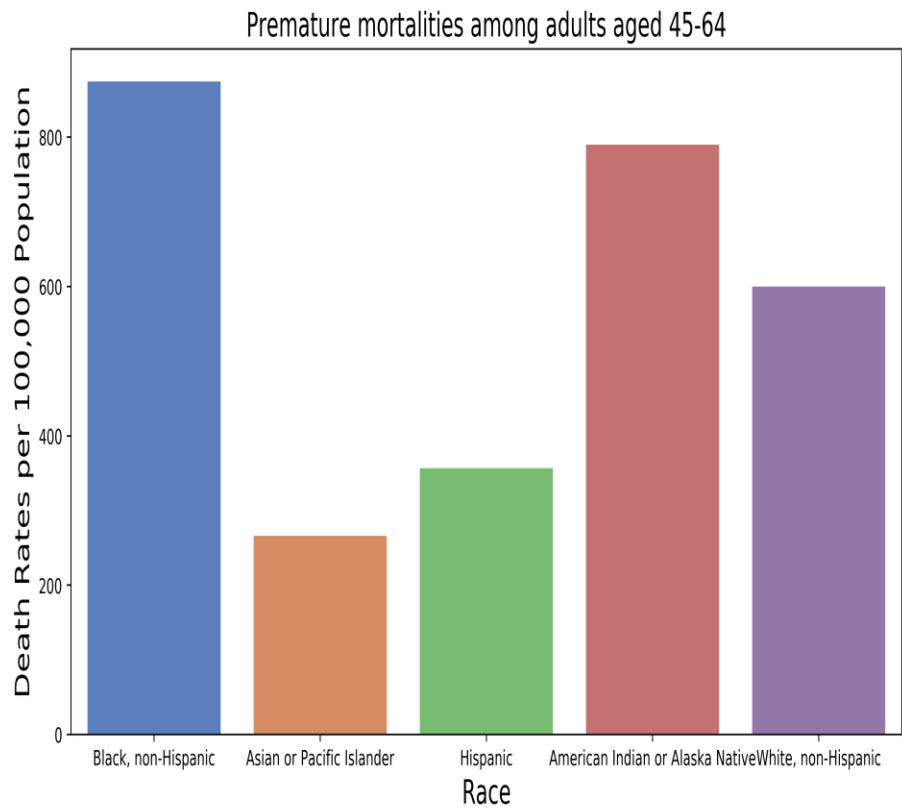
Premature mortalities and Poverty analysis by region



Premature mortality and poverty analysis by gender



Premature deaths and poverty analysis by race



Conclusion

As this data analysis shows states have higher poverty rate and lack of insurance have also higher premature mortalities. This analysis supports the studies from Harvard medical school shows that 45,000 deaths annually linked to lack of health coverage. Studies found 40 percent increase risk of death among the uninsured. Every other developed nation has achieved through some form of non-profit national health insurance. Our failure to do so means that all Americans pay higher health care cost.

Reference

<https://news.harvard.edu/gazette/story/2009/09/new-study-finds-45000-deaths-annually-linked-to-lack-of-health-coverage/>

