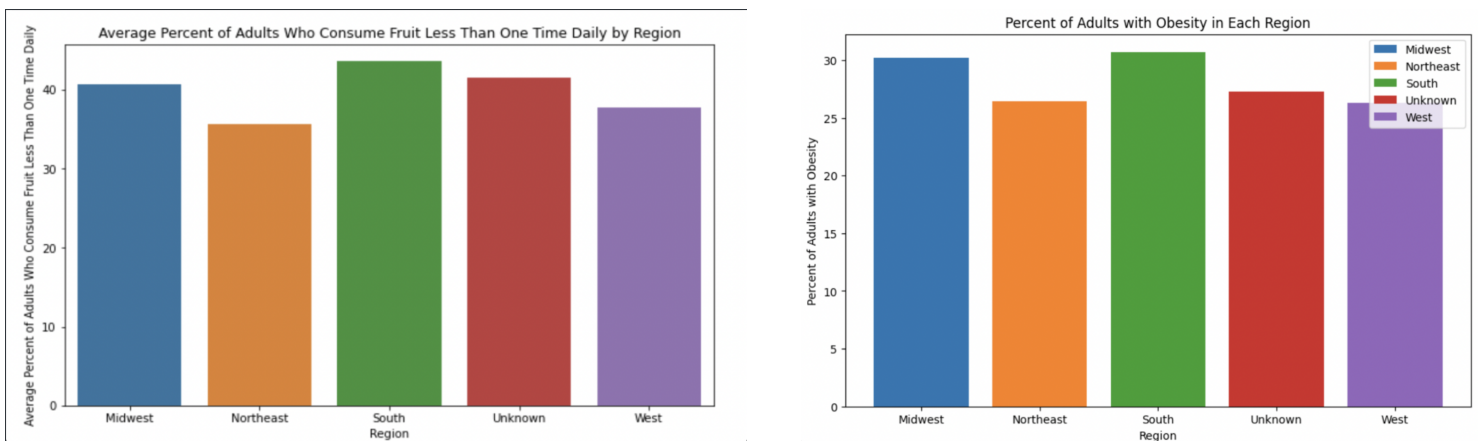
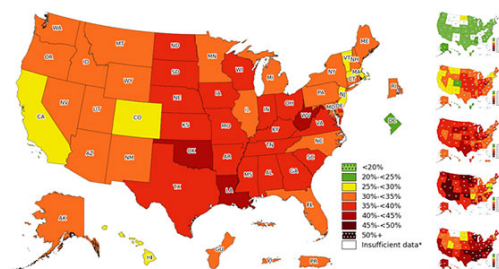


Health and Nutrition with Data Science: Help Discover the Reasons Behind Rising Obesity Rates in the United States



Exploratory Data Analysis Graphs that show possible correlation between fruit consumption and obesity rate.

Goal and Motivation: In this compelling case study, we aim to analyze and contrast the patterns of physical activity and obesity across different states from 2011 to 2015. By participating in this study, you will contribute to a deeper understanding of health trends and their diverse manifestations throughout the United States. Join us on this journey to unravel the details of regional health dynamics and make a meaningful impact on this country's population's well being. The findings may inform strategies for promoting healthier lifestyles, implementing effective prevention measures, and addressing specific health challenges in diverse communities. Ultimately, the knowledge gained from this project has the power to influence public health initiatives, foster well-informed decision-making, and contribute to the overall improvement of global health outcomes.



Adult obesity prevalence map.

Deliverable: You are tasked with developing a machine learning model that predicts obesity rates in specific regions. Leveraging historical health and nutrition data, the model will utilize advanced algorithms to analyze patterns and accurately forecast obesity prevalence. This innovative tool aims to assist policymakers, healthcare professionals, and researchers in proactively addressing obesity challenges by providing a forward-looking perspective. The model's ability to predict obesity rates will enable more effective and targeted interventions to promote healthier lifestyles within diverse communities. More details can be found in the rubric.