**Analysis of Health Survey Data of the United States**

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# **Introduction**

The Behavioral Risk Factor Surveillance System (BRFSS) is a public health survey conducted every year by the Centers for Disease Control and Prevention (CDC) in the United States. It is one of the largest telephonic surveys which collects data on health-related behaviors, chronic condition, and preventive health practices among adults. It contains information on factors such as smoking, alcohol consumption, physical activity, diet, and mental health. It also includes data on demographic characteristics such as age, sex, race/ethnicity, education, and income. The data is a valuable resource for researchers, policymakers and public health officials interested in studying and addressing various health issues in the US population.

The idea behind working on this data is to find out the percentage of people affected by poor health behavior. As this is a recent survey data, we focused on different health-related trends. Also, we assume that our analysis will help people take some preventive measures in order to avoid future health issues as well as the new generation from affecting from different health-related risk factors.

# **Data description**

BRFSS is a publicly available data downloaded from CDC website. It is a direct survey data collected over telephone and recorded in the csv format. It contains following details:

* Dataset Link: [BRFSS data](https://chronicdata.cdc.gov/Behavioral-Risk-Factors/Behavioral-Risk-Factor-Surveillance-System-BRFSS-P/dttw-5yxu)
* Total Records: 2.2 M
* Columns: 27
* Year: 2011 to 2021
* Location: 50 states, district of Columbia and 3 U.S. territories

# **Design**

* Idea
* ..

# **Proposed Analysis**

Analysis may vary around following factors and hypothesis:

1. Investigate the prevalence of smoking among adults in different states of the US.
2. Hypothesize that the prevalence of smoking is higher among states with lower tobacco taxes.
3. Show year wise trends in one or two health-related factors.
4. Focus our analysis on following factors:
   1. Age
   2. Sex
   3. Race
   4. Education
   5. Income

# **References**

1. <https://wisevoter.com/state-rankings/alcohol-tax-by-state/>