

### Project 3

Dataset name: **brfss2013.RData**

#### BRFSS 2013 Data

The Behavioral Risk Factor Surveillance System (BRFSS) is an ongoing surveillance system designed to measure behavioral risk factors for the non-institutionalized adult population (18 years of age and older) residing in the US. The BRFSS objective is to collect uniform, state-specific data on preventive health practices and risk behaviors that are linked to chronic diseases, injuries, and preventable infectious diseases that affect the adult population. Factors assessed by the BRFSS in 2013 include tobacco use, HIV/AIDS knowledge and prevention, exercise, immunization, health status, healthy days — health-related quality of life, health care access, inadequate sleep, hypertension awareness, cholesterol awareness, chronic health conditions, alcohol consumption, fruits and vegetables consumption, arthritis burden, and seatbelt use.

The following dataset is a truncated version of the 2013 BRFSS dataset. You can use [https://www.cdc.gov/brfss/annual\\_data/annual\\_2013.html](https://www.cdc.gov/brfss/annual_data/annual_2013.html) to review the codebook and other important pieces of information before working with the dataset. You may pick a research question of your choice and conduct a statistical analysis based on that question.

*Note that the BRFSS dataset may contain survey design variables or sampling weights. You may ignore these variables, as they are beyond the scope of this course. Conduct your analyses without accounting for these variables/parameters.*

#### **Questions to consider:**

- What are the descriptive characteristics of your specified cohort?
- What is the outcome variable of interest in your analysis?
- What sociodemographic variables, if any, may be important to consider for your research question?
- What are the factors associated with your outcome? Show your results statistically, visually, or tabularly.

#### **Note:**

- Possible outcomes in this dataset you may consider include but not limited to general health, number of days physical health not good, number of days mental health not good, poor physical or mental health, and how much time do you sleep.
- Most variable names in the RData are lowercases of original SAS variable names shown in the codebook.