**Types of Nicotine Use Across Demographics**

By Gray Capen, Maria Awosanya Frazier, Mitch Murray, Joseph Yvens

Cigarette use has been declining over the years, but there are other methods of ingesting nicotine. To study the reality behind nicotine, we’re going to observe several different states and observe the various preferences around usage. The value of identifying types of nicotine use across several states is seeing if the trends hold up in different regions. If there is no correlation between the chosen demographics and type of nicotine use, that could indicate that there’s other factors at play that may warrant further research.

The fundamental questions we’re going to address are:

* What is the difference in the consumption of nicotine products across different states?
* How many total people are using tobacco in each state?
* Which type of tobacco products are preferred?
* How frequently are these products being used?

The dataset we’ll be using to answer these questions is from the Center for Disease Control, through a self-report survey called “Behavioral Risk Factor Surveillance System Survey”. This survey before we limit to our individual states is going has an N of 43341 entries of varying sample sizes – some samples being over 10000 participants – which means there is a robust foundation for analysis. Our individual states N will vary.

The breakdown of tasks will go as follows:

* Each team member will find summary statistics, correlative data, comparative data, and visualization for their respective question (if appropriate).
* Each team member will write approximately 4-5 sentences each about their data.
* All of the team members will contribute to writing the conclusion.