

## **Team 27 Abstract - Kathya, Christopher, Olivier, Sebastian**

At the onset of the COVID-19 pandemic's arrival in the United States, the CDC recommended that people stay at home with few exceptions through March and April of 2020. A small number of exceptions were granted to this stay-at-home order: providing essential labor, seeking healthcare, procuring groceries or medicine, and caring for friends and families. During those early days of the pandemic, few could have predicted the long-term conditions; a year later in this new world, many are still abiding by these same guidelines, waiting for the day we can return to pre-pandemic life. The dataset provided by NCSG provides a window into analyzing the effect of the pandemic and new guidelines for social distancing and reduced exposure on daily routines including work, exercise, and transportation. Our analysis of this data will focus on the correlations that help to understand the impact the pandemic has had on people's lives, physical and mental health, employment, and transportation. The data will be analyzed by using histograms to draw conclusions on how the survey participants were impacted due to the pandemic. Because the United States did not take a federally mandated approach, state officials had the power to regulate mandates in their respective state. Therefore, comparing the data between states, will allow for an analysis of how people have adapted nationwide to this new world we live in. This approach will illustrate if there are disparities in impact due to the patchwork nature of the laws, mandates, and guidelines imposed in each state, allowing for an analysis to be made on how different parts of the nation responded to the pandemic. Furthermore, the histograms will be studied by comparing employment status, to different activities such as type of job, online grocery shopping, the highest degree of education, and if able to leave the house. These comparisons may provide insight into how to best remedy the aftereffects of the current pandemic and to prepare more diligently for future emergencies.