Our project aims to examine the trends between changes in mobility percentage from baseline and COVID-19 cases in the counties of Pennsylvania. We will be using two CSV files to analyze these trends: Google Mobility Reports CSV (<https://www.google.com/covid19/mobility/>) and NYTimes US Covid-19 Data CSV (<https://www.nytimes.com/article/coronavirus-county-data-us.html>) . We aim to answer the following questions using this data:

1. Is there a correlation between mobility change % and COVID-19 cases in the counties of PA?
2. Do positive/negative spikes in mobility change % affect spikes in cases?
3. Which counties were the most/least affected?
4. Which month/date had particularly high mobility change %/COVID-19 cases?

Our Hypothesis:

There is a correlation between mobility change percent and COVID-19 cases.

Our Null Hypothesis:

There is no correlation between mobility change percent and COVID-19 cases in Pennsylvania.

Our Alternate Hypothesis:

COVID-19 cases have an effect on the mobility percentage.