

Contributing Factors to Chronic Disease Rates

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In this project, our group will be examining CDC data regarding the rates of various chronic diseases in the United States. In doing so, we will be seeing if we can determine how certain factors contribute to rates of chronic disease based on how strongly they correlate when compared to the general population.

We will try to determine the relationship between chronic disease and economic wealth/income and distribution of chronic disease over given location. We will also analyze the effects of each chronic disease on particular demographics and see if economic wealth/income have any trends associated with that.

To accomplish these tasks we will be utilizing data that has been obtained via Kaggle. Specifically, we will be using the CDC's "Chronic Disease Indicators" data as well as "US Household Income Statistics" data from Golden Oak Research Group. Each data set encompasses roughly 30,000-40,000 records each. Allowing us to find legitimate trends over a large population.

Task include:

- Read through both datasets and converting those datasets to dataframes.
- Filter through those datasets and find the specific information we are looking for.
- Create plots outlining the specific trends we are attempting to observe.
- Develop an API call and utilize gmaps to map out specific locations of chronic disease.
- Save the images of those graphs and maps to create those into a presentation.

