Project Title

Exploring leading causes of death in US counties from 1980 - 2014

Team Members

Alex Yee, Sandra Burlinge, Madhulika Gupta, Sibasish Sinha

Project Description/ Outline:

Through our work, we want to explore leading causes of death in US counties from 1980 onwards

Research Questions to Answer:

1. What are the leading causes of deaths in US?
2. How do these causes shift across time and geography?
3. Does income level affect the type / rate of death
4. Does gender / race / age affect the type / rate of death

Datasets to be Used

1. http://ghdx.healthdata.org/record/ihme-data/united-states-mortality-rates-county-1980-2014
2. https://www.census.gov/

Rough Breakdown of Tasks

1. Data Retreival
   1. Find relevant data sources related to historical county/ zip incomes
   2. Find relevant data sources related to race numbers from 1980 onwards
   3. Explore counties in geomaps
2. Data Cleaning and Assembling
3. Data Analysis
   1. Explore visualizations in Matplotlib
   2. Explore geo heat maps in Matplotlib
   3. Find inferences based on graphs / maps grables etc.
4. Acknowledge limitations, assumptions in the data
5. Prepare presentation