Project Proposal

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December 21, 2016

Agenda of the Analysis:

Find out the pattern in commonality in people committing Suicides, and build a prediction model to identify the people suspected to commit, which in turn can be helpful in taking protective measures for such lives. National Longitudinal Mortality Study done by National Heart, Lung and Blood Institute constitutes the data recorded after following up people of United States for 11 years, and recording their lifestyle, economic status, health related data.

Data:

Data is available online on request the BIOLINCC (https://biolincc.nhlbi.nih.gov). The Data contains Surveys for people followed till 11 years, recording the changes in their Health, lifestyle habits, Economic Status, Education.

Approach to work with Data:

Starting with Data Wrangling to clean the data, find out common patterns or dependent predictors for a person committing Suicide.Find correlation of Suicides among the various other socio economic factors for a Person. Using Clustering, or Logistic Regression- build a predictive Model which can help find out the people expected to commit Suicide and helpful in taking necessary actions in saving the respective Lives.

Deliverables

Descriptive Statistics of the Outcome from the Analysis. Accuracy of the model built to predict.