Three Project Idea Drafts

Draft 1: What is the potential salary someone could earn in the U.S.? What factors make the difference between people? As a broad idea, I’m planning to explore and analyze the data set from United States Census Data on income and earnings of individuals and personal characteristics associated, such as age, sex, race, education attainment, etc. to develop useful models for predicting someone’s income with given personal characteristics.

Draft 2: Will a newly married couple divorce in 5 years? What are the significant divorce predictors? A dataset of 170 couple’s questionnaire responds on 54 related questions scaled from 1-5 will be used to complete a classification-type data analysis and prediction. For instance, the data set is obtained from University of California, Irvine (UCI) Machine Learning Repository database.

Draft 3: For decades, stock market prediction has been one of the most challenging tasks that financial analysts eager to achieve. From UCI Machine Learning Repository database, a dataset comprised of weekly pricing information of Dow Jones Index stocks for the first and second quarters in 2011 is obtained and used for develop the prediction model.