Lending Club Loan Data Analysis

Proposal for Springboard Capstone 2 Project
J. Slaga
4/5/2020

Predicting the Likelihood Of Loan Default

Problem

I will be using the Lending Club data to build a machine learning algorithm to predict loans most likely to end in default. Better identification of defaulters will allow investors to better decide which loans to invest in or grant.

Client

Lending Club is the world's largest peer-to-peer lending company, headquartered in San Francisco, California. It provides a link between investors who provide funds and borrowers seeking unsecured personal loans between $1000 and $40,000. Investors earn a profit that is dependent on the risk they take.

Data:

Data was obtained from https://www.kaggle.com/wendykan/lending-club-loan-data. It contains complete loan data for all loans issued through the 2007-2015. Current loan status (Current, Late, Fully Paid) as well as features such as loan amount, amount funded, credit scores, number of finance inquiries, address including zip codes, and state, and collections are provided.

Deliverables:
Code, report, and slidedeck.