Project-02 - Classification

Overview

As a potential investor or hire, how can you assess whether to further invest or join a startup? This project will predict type of exit (acquisition, IPO, shutdown) for a startup given current funding and company information.

This can help potential investors or employees to look out factors to assess a startup and the potential exit path.

Data Source

[Crunchbase 2013 Snapshot © 2013](#)

- Data set for ~ 50,000 companies

Features

Feature	Type
# Employees	Numerical
# Founders	Numerical
Last Funding Round	Ordinal (e.g. A, B, C)
HQ Region	Categorical
# Funding Rounds	Numerical
# Total Funding	Numerical
Years Active	Numerical
Largest Funding Round To-Date	Numerical
Avg # days between Rounds	Numerical
Market sector	Categorical

Potential Challenges

- The initial data is in mysql, and will need to migrate to the required postgress sql for analysis with a tool that does not result in data fidelity issues during migration
- There is some data cleaning needed to filter out companies with the predictor value to include in training set
- There is also initial data engineering needed to generate the desired features from the raw data set
- If the initial proposed features are not good predictors, more time maybe needed to research what makes better predictor features