

Disrupting Industry Bias: Visualizing Selection Trends in a Startup Accelerator

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Consulting Project Goals

 "Flashy Accelerator": they fund startups in the tech space

- Identify characteristics of startups selected for funding
- → Focus on visualizations



Classifying Funded Vs. Rejected Applications

Confirmatory predictor variables from application:

- Prefer that a co-founder is a CTO
- Prefer that it is a team instead of solo founder

Exploratory predictor variables

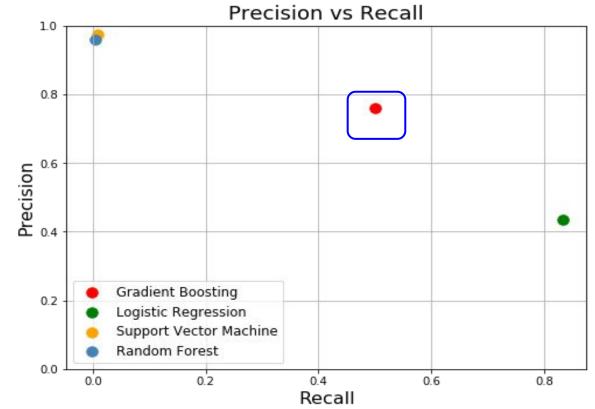
- Whether a co-founder is female
- Location of startup → required feature engineering

Classifying Funded Vs. Rejected Applications

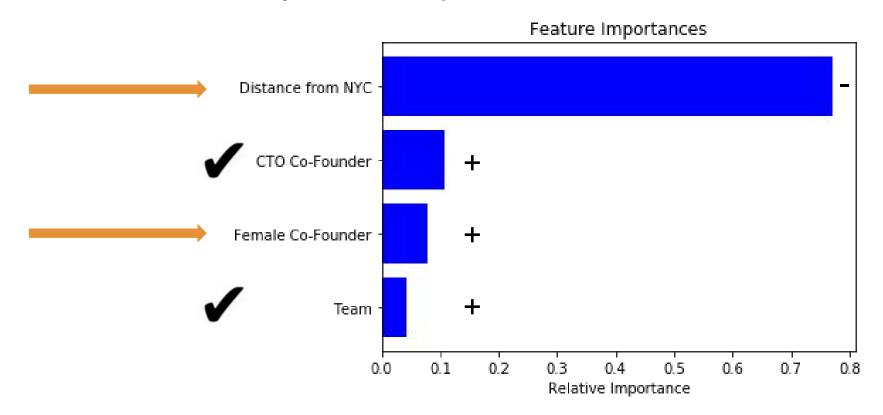
Funding rate is ~3% for 2016-17



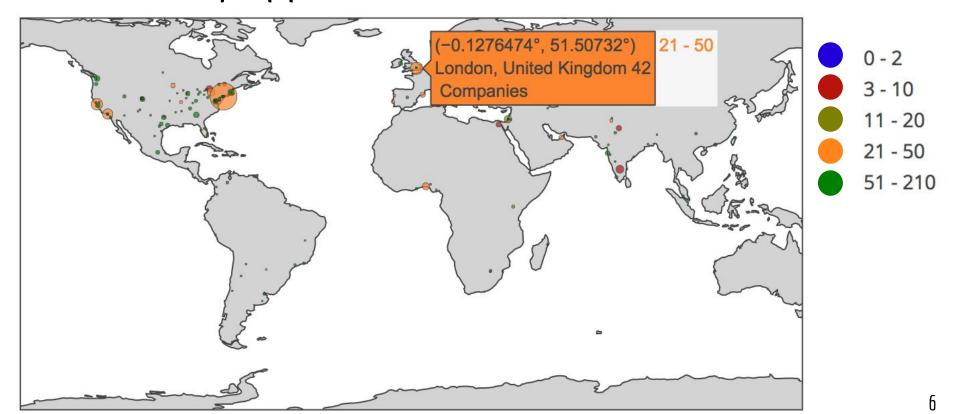
Bootstrapping to control for imbalance



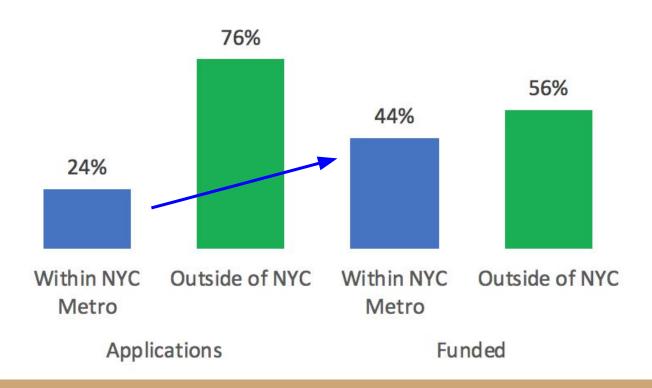
Selection Biases/Partiality



Location of Applications Received

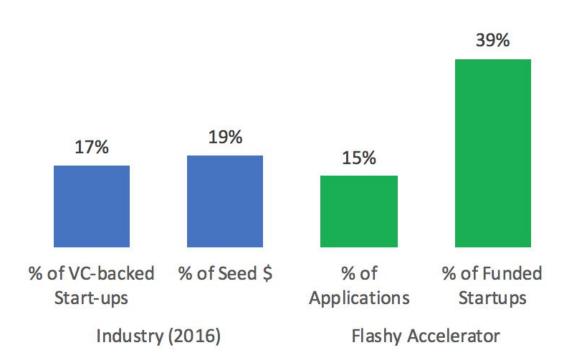


Location Bias in Selection



7

Gender Bias in Selection





Business Value of this Project

- 1. Analysis of applicants and startups selected for funding
- 2. Visualizations to understand selection process *In detailed blog post and company report.*

Additional value:

- a. How to standardize data collection
- b. A classification model to remove irrelevant applications

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