

Mind the Supply Gap



what is **Donors Choose.org** ?

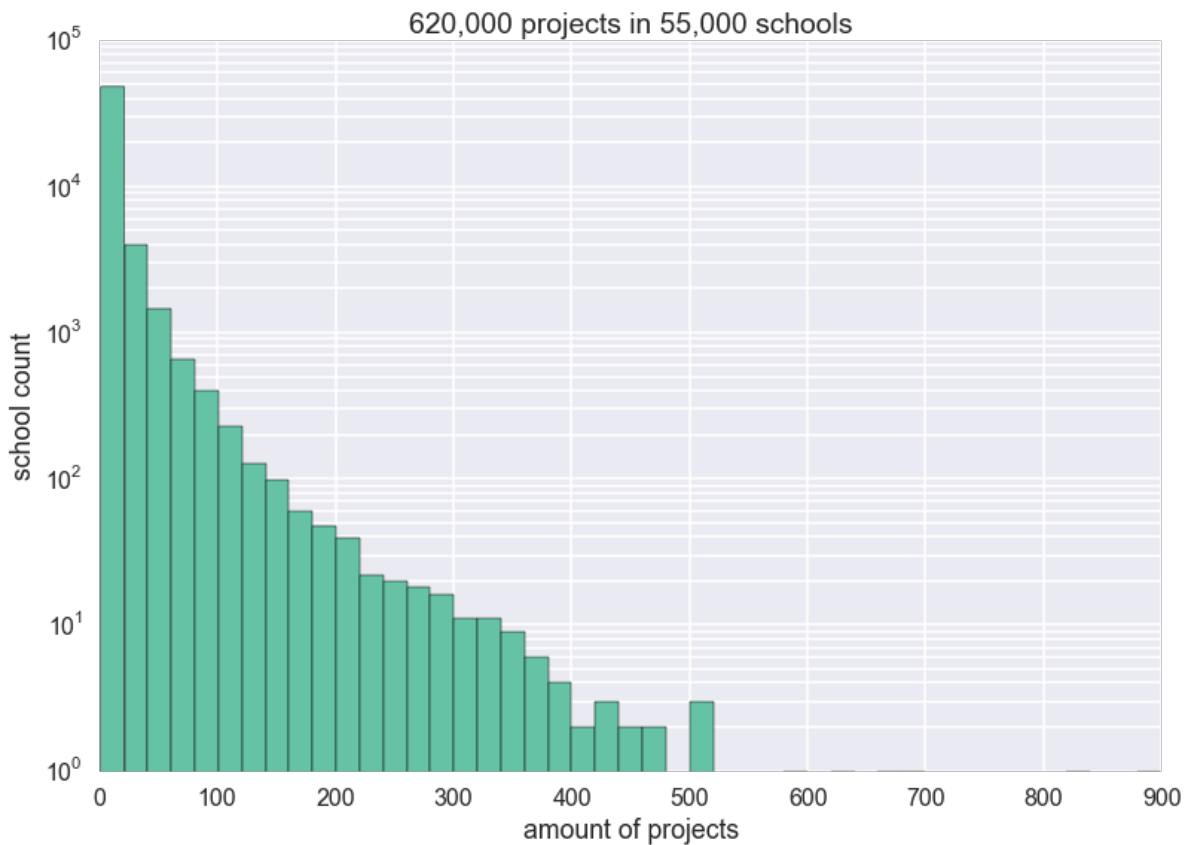
Teachers ask. You choose.

- non-profit organization
- public school teachers propose classroom projects
- you choose which project to donate to

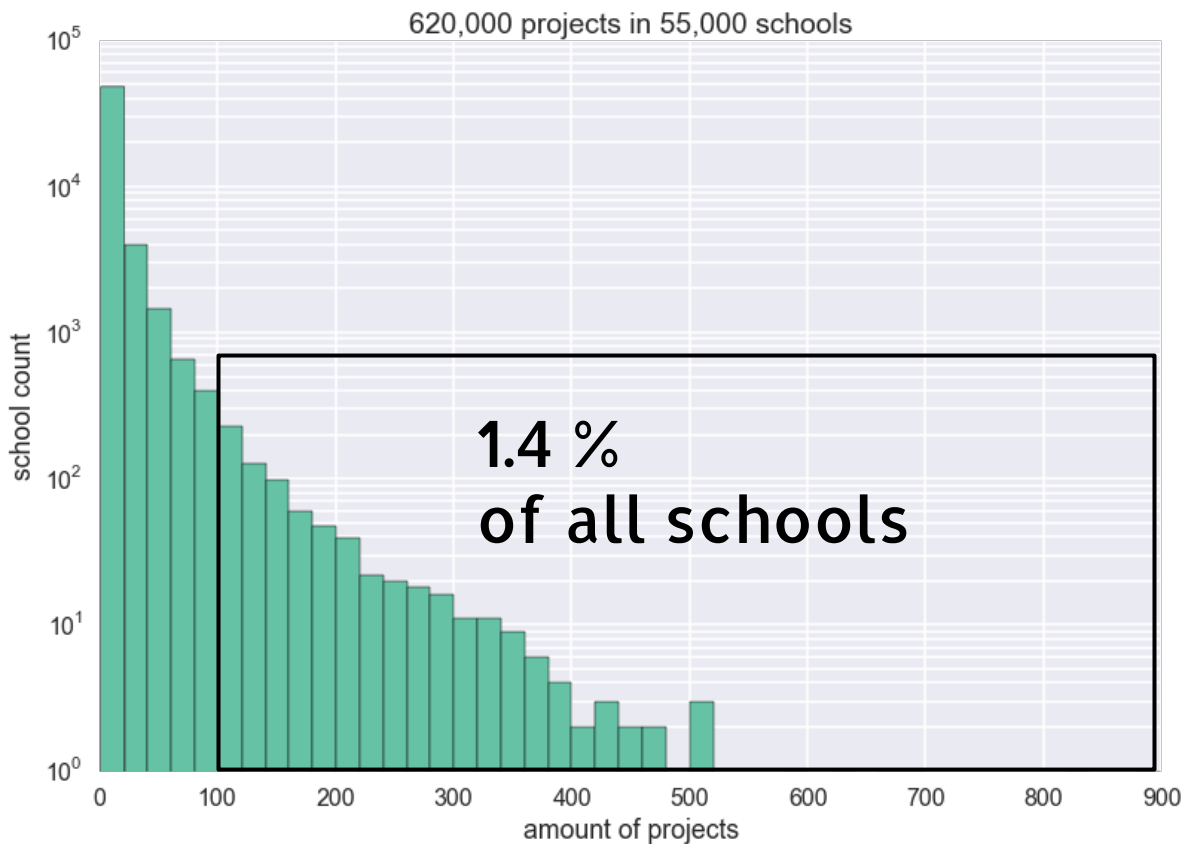
goal

find schools who would benefit most
from DonorsChoose.org

goal



goal



specific goals

- characterize schools
 - leverage demographic and education statistics
- find defining characteristics of active schools
- recommend schools to DonorsChoose.org
- discover insights for their data science team

data

- DonorsChoose.org project data
- National Center for Education Statistics (NCES)
 - school demographics
 - district local, state, and federal revenue
 - district expenditures
- US Census
 - economics and demographics by district

methods

- cluster similar schools
 - cosine similarity
 - clustering techniques
 - feature importance
- recommend schools to DonorsChoose.org
 - recommender system
 - flask app

results

useful insights for:



Donors Choose.org
Teachers ask. You choose.

and a data product:
schools like you!



thanks!

code available on:
github.com/abshinn