

HackerRank DDNA

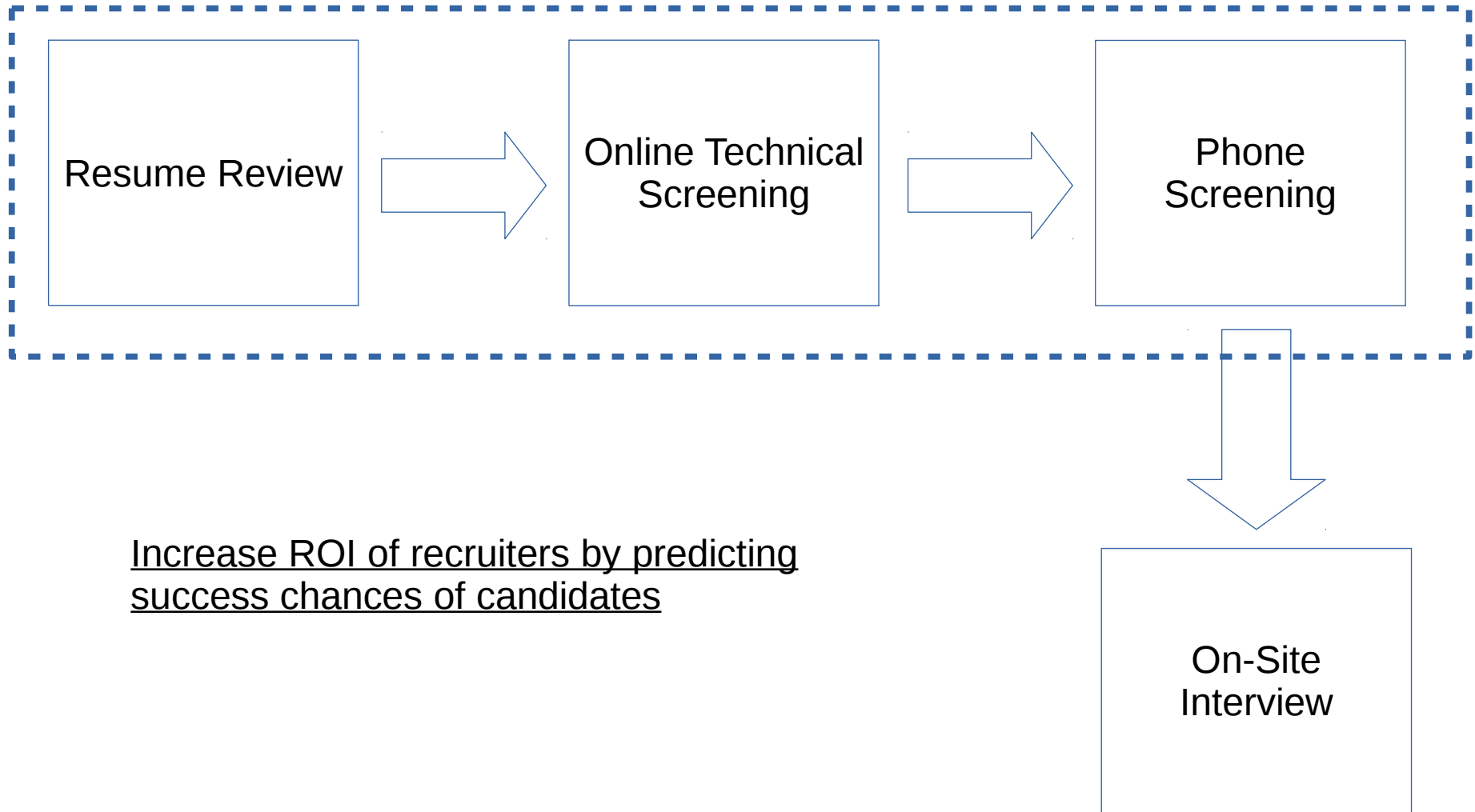


Ketan Goyal

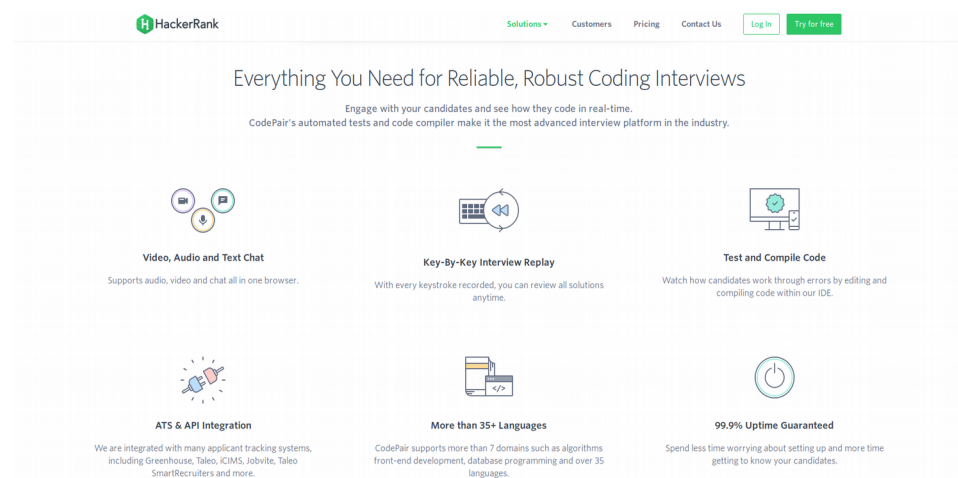
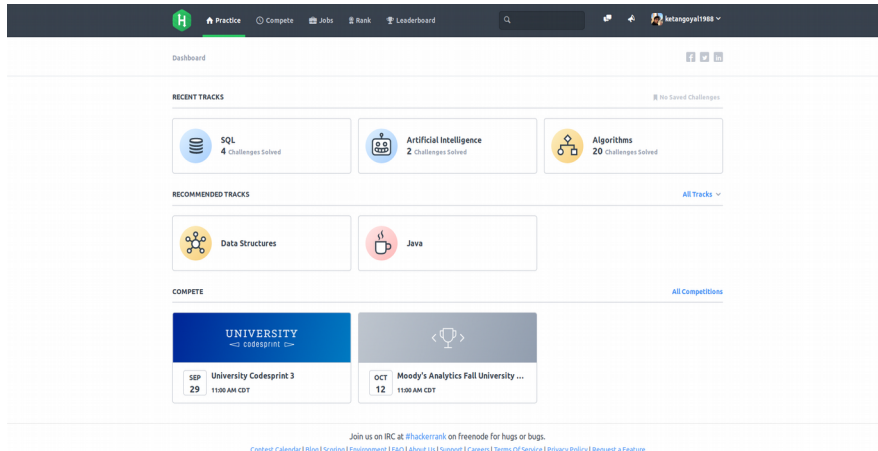
Motivation



Interview Process

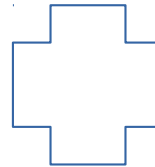


HackerRank



Community

Solve coding
challenges for fun



Enterprise

Solve coding
challenges for interview

Data Source



HackerRank



Phone
Screening
Outcomes

- Outcomes (0,1)



Enterprise
Database

- test_scores
- solve_duration



Community
Database

- num_challenges
- min_run_time
- max_run_time
- avg_run_time
- std_run_time

Divide Tests based on Difficulty

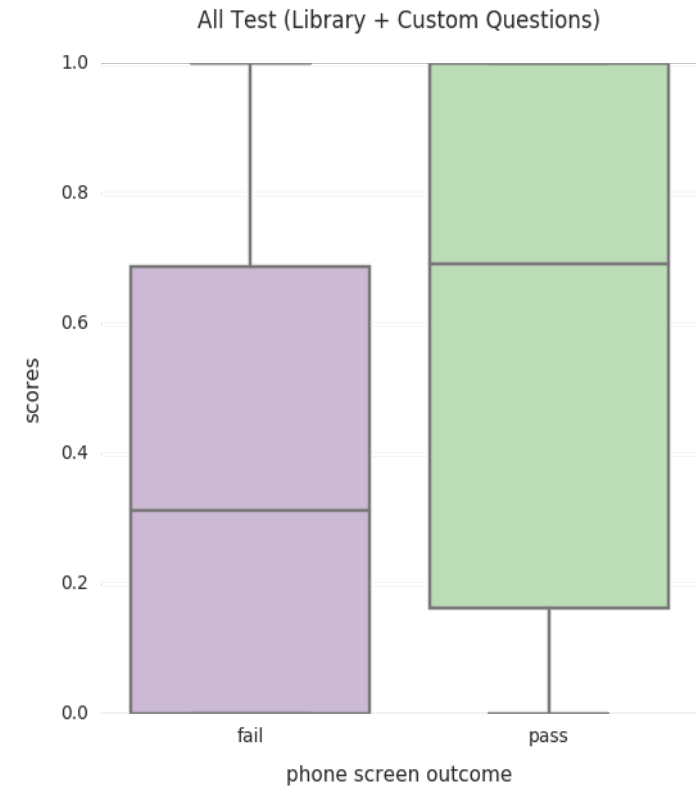
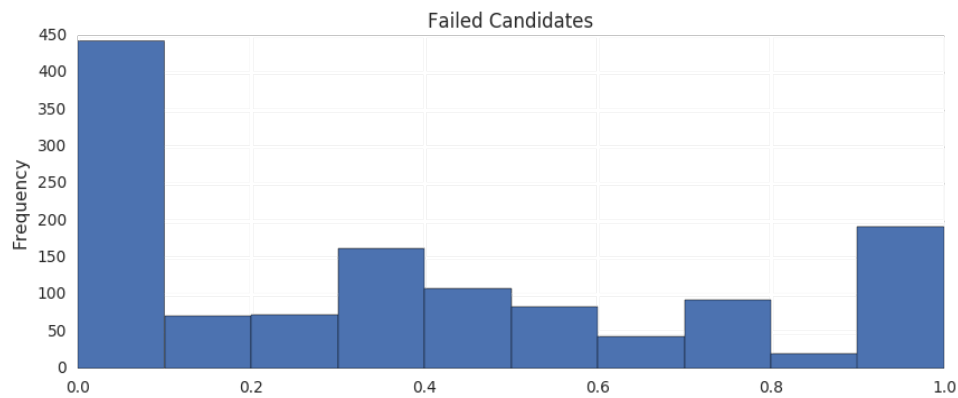
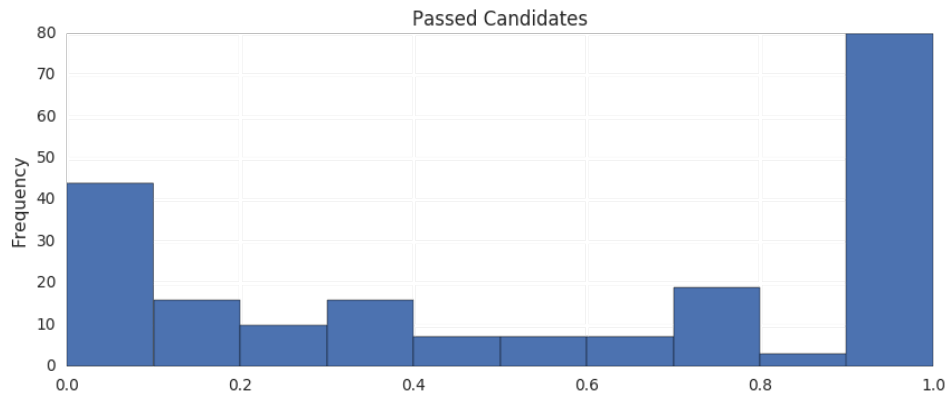
Introduced:

- test-cases_cleared
- run_count
- solve_time

Data Exploration



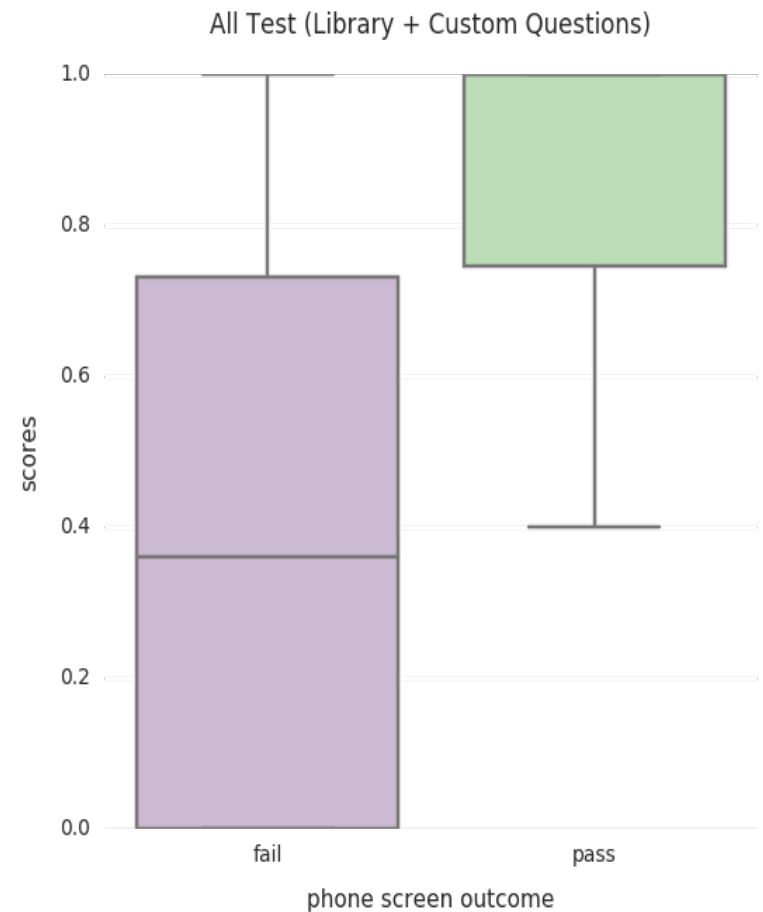
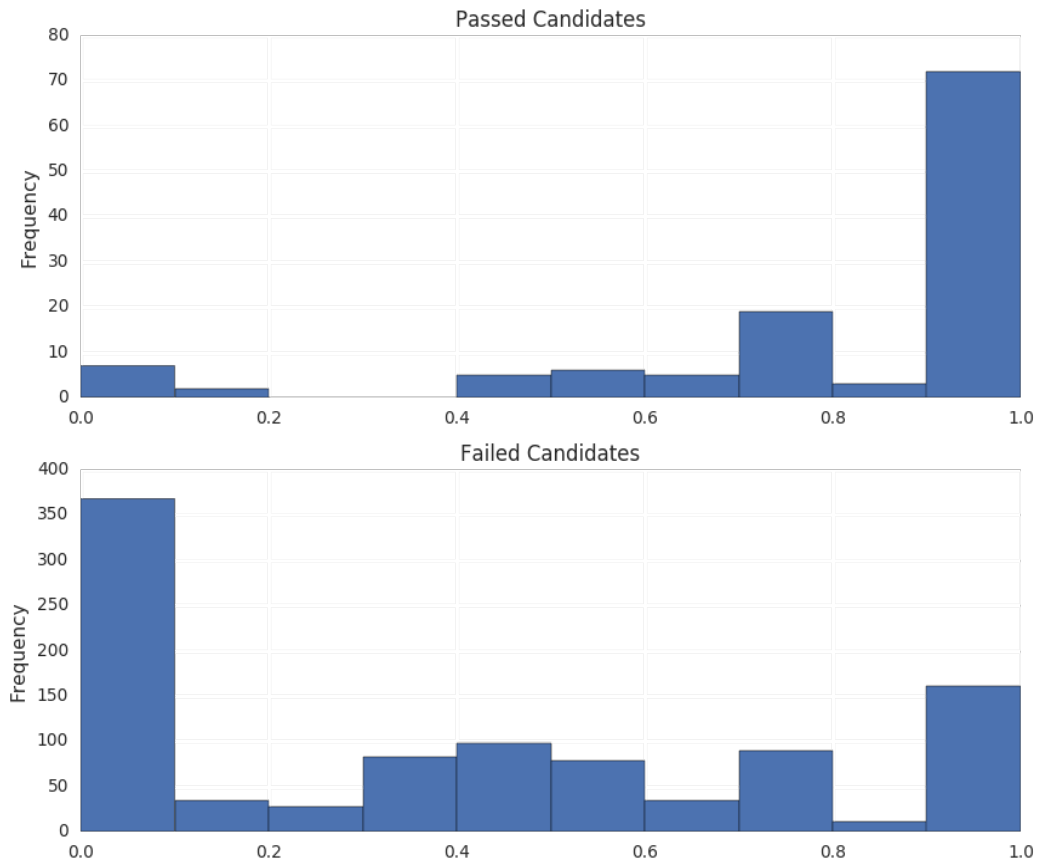
Scores alone are not good indicator of phone screening outcome



Data Exploration



Removing Tests with Custom Questions

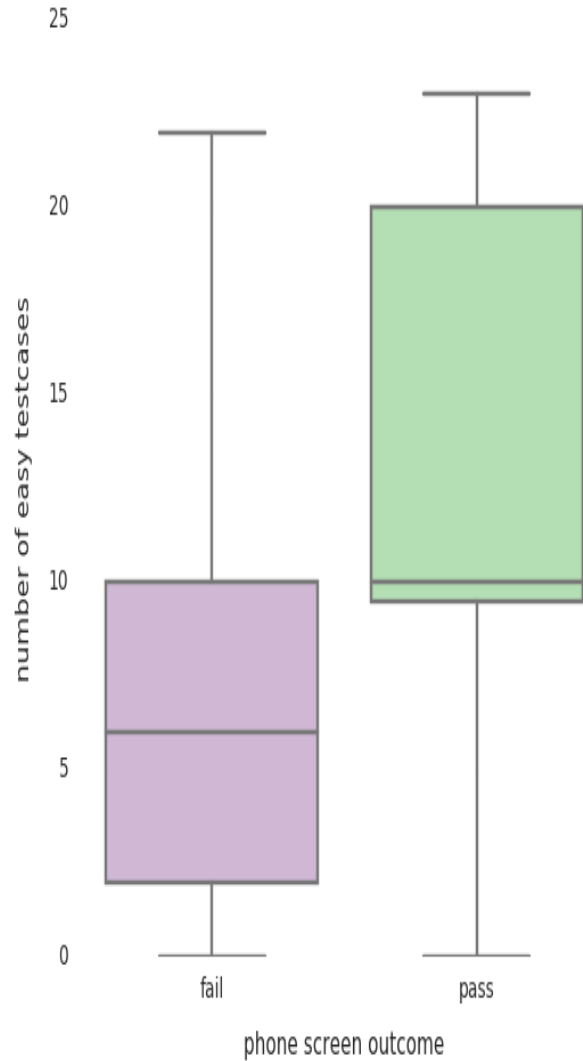


Looks better!

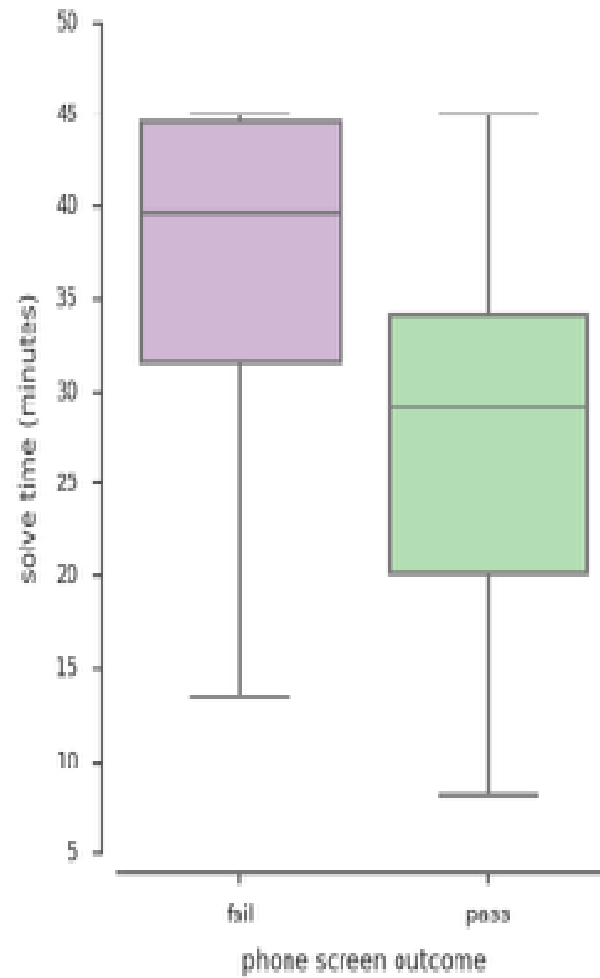
Feature Engineering



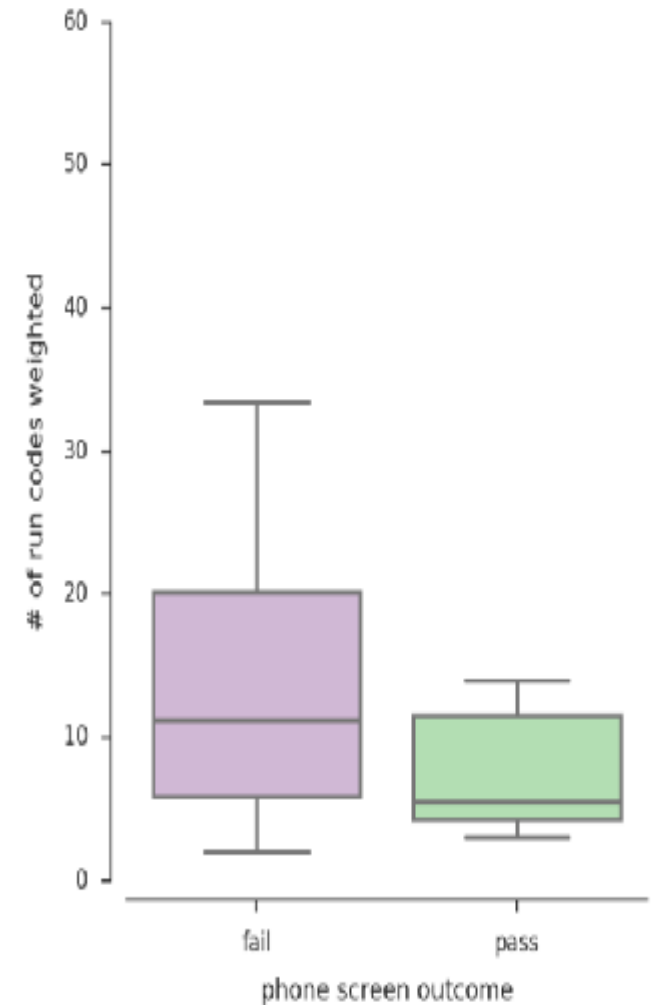
Test Cases



Solve Time



Number of Runs



Model

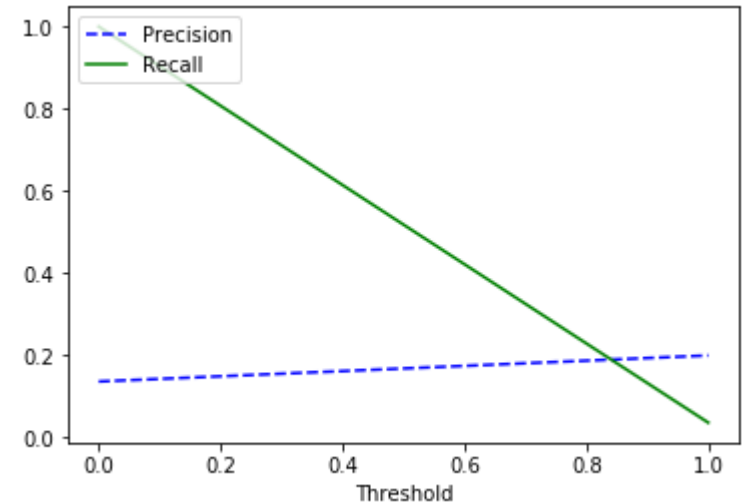


Model Selection

Random Forest

- Require no feature scaling
- Implicit feature selection
- Quick to train

Performance



AUC = 0.60 Low!

CONCLUSION: Model can be used to create a list of ordered recommended candidates

For More Information Visit:

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