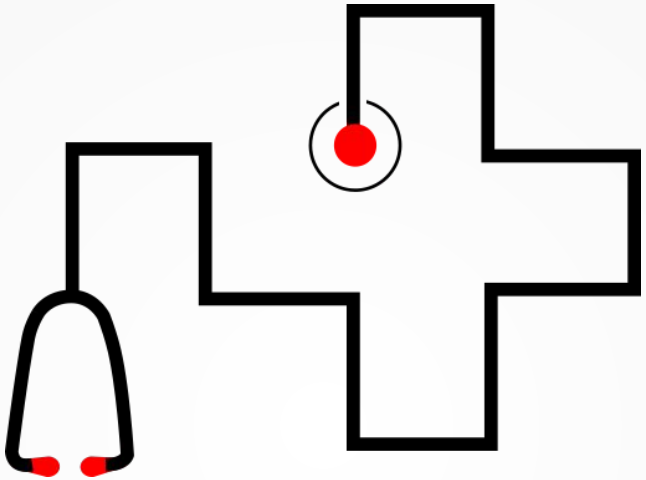
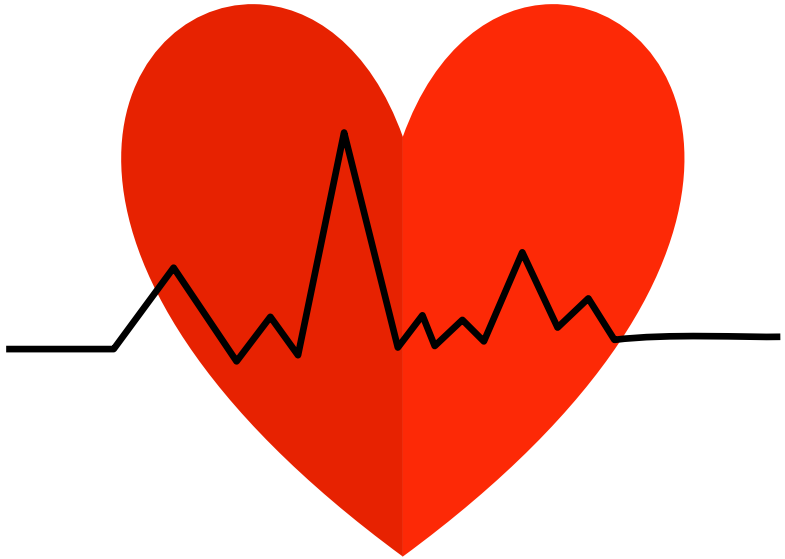


Heart Disease Prediction

Ka Hou Sio
2018-08-08

Facts



01

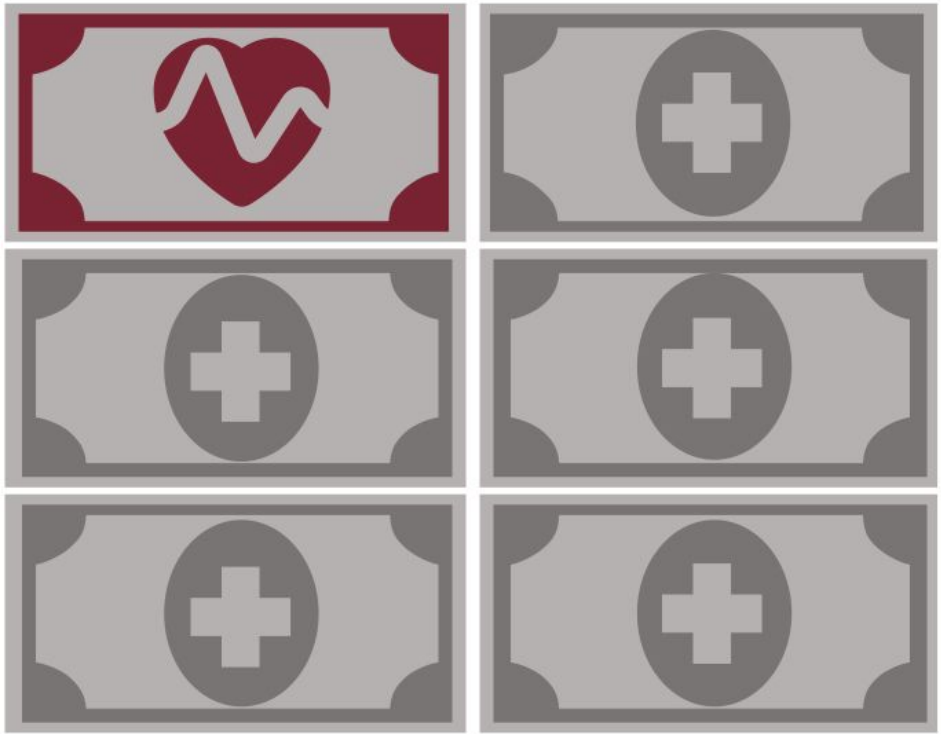
02 2300

03 38 sec

04 > +

American Heart Association

About **1 in every 6 health care dollars** is spent on cardiovascular disease



CDC Foundation

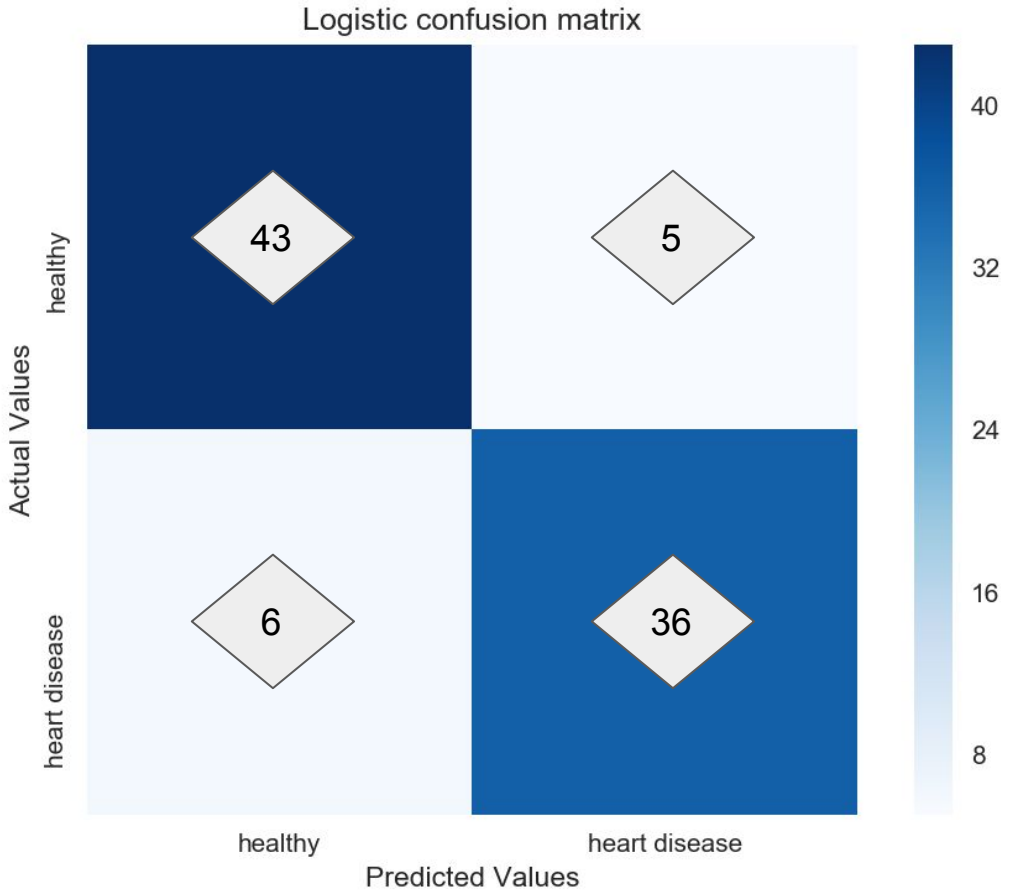
$1 Billion A Day

Early Detection

Solution

Model Performance

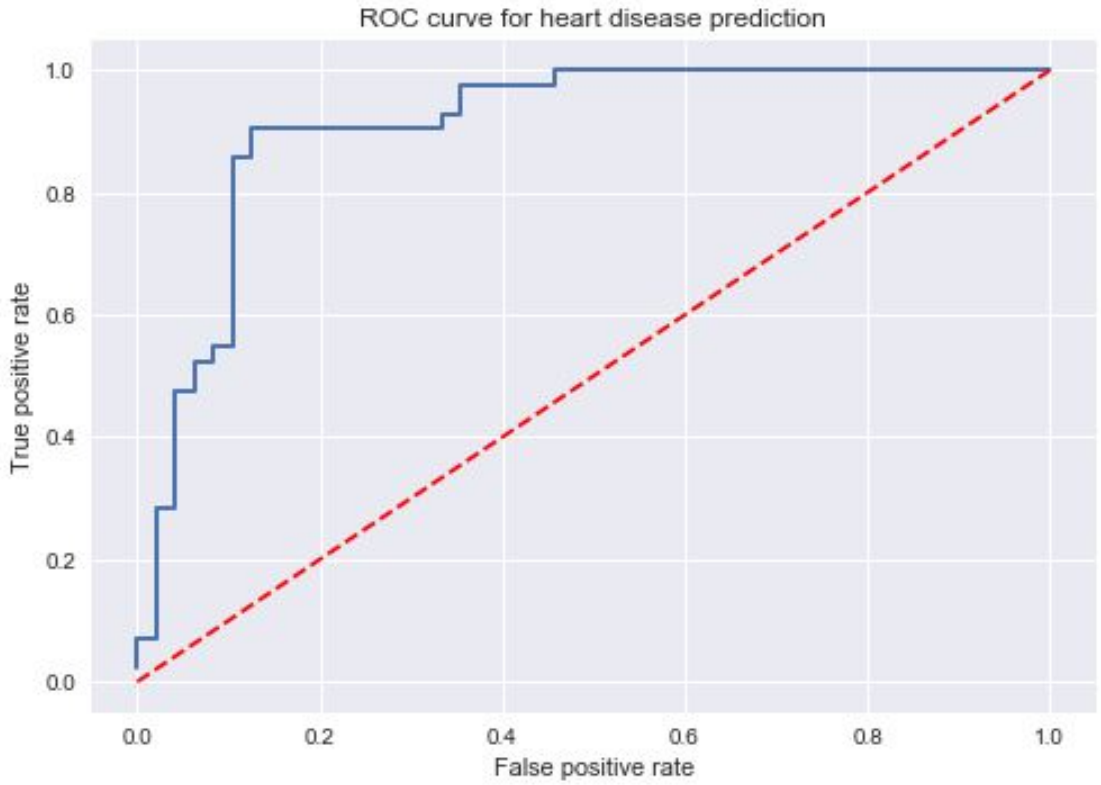
Accuracy Score	0.8777
Recall Score	**0.8571**
Precision Score	0.8780



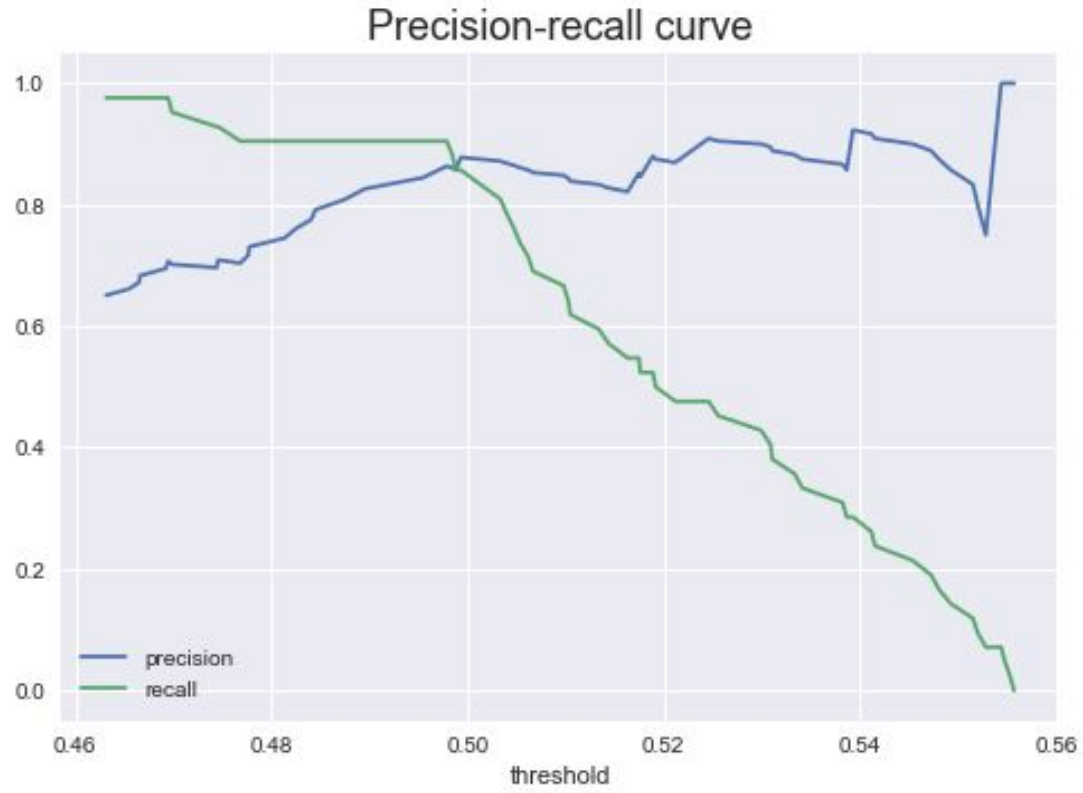
BBC: ~80% accuracy

ROC curve

AUC Score	0.9087



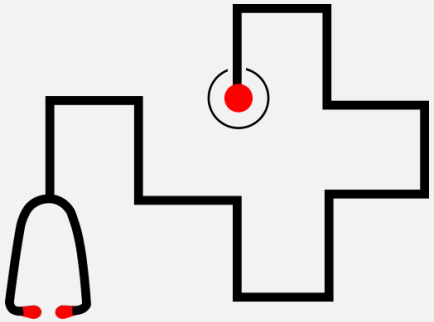
Precision vs. Recall Curve



Flask App Demo

Future Improvement

- More Data
- Domain Knowledge
- Improve My Flask App



Thank you!

Reference

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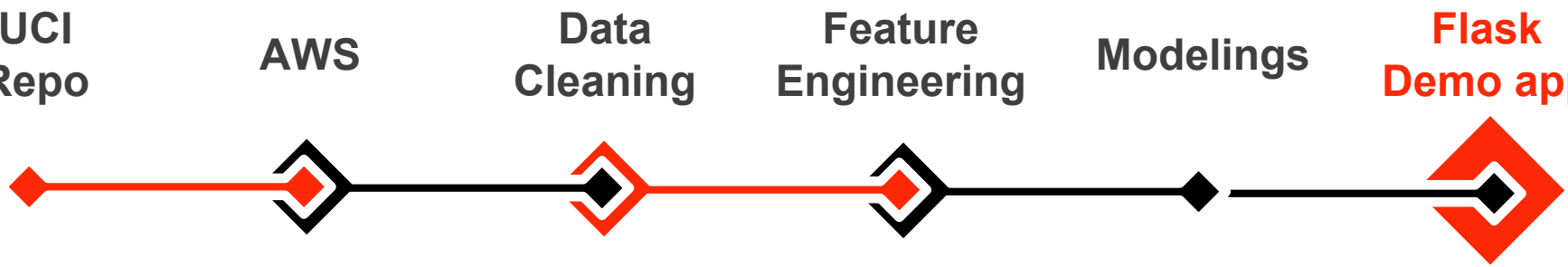
Sandbox

Create A Mobile App

Data Pipeline



F1 Score	0.8674