



Predicting Heart Disease

by Bianca Orozco

Predicting Heart Disease



Data

UC Irvine ML Repository



Features

13 features; Target = 0 or 1



Model

Random Forest



Results

F1 Score

Features

- Chest pain
- Maximum heart rate
- # of damaged major blood vessels
- Score: 3 = normal, 6 = fixed defect,
7 = reversible defect

Target

- 0 = No heart disease present
- 1 = Heart disease present

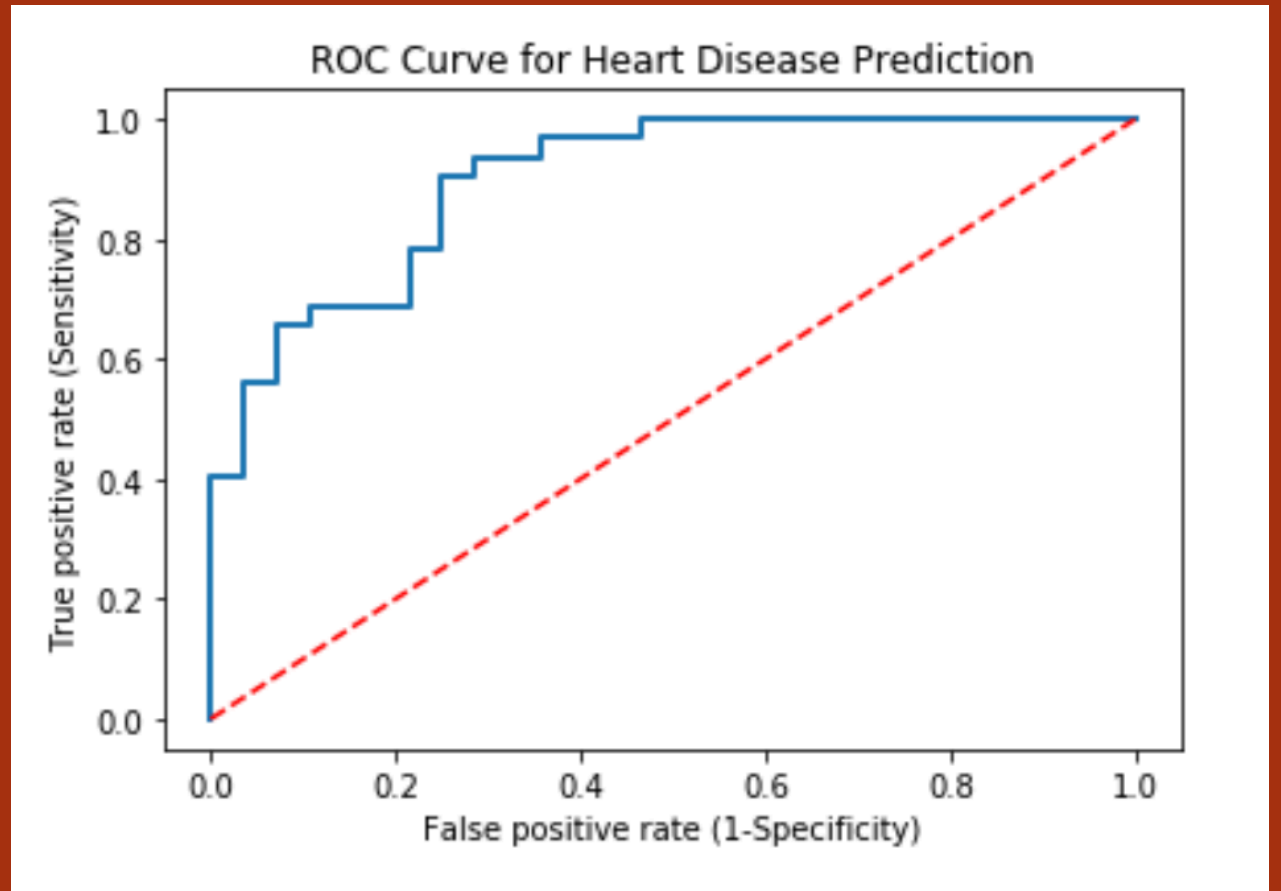
Random Forest

- F1 Score: 0.772
- Confusion Matrix:

		Actual	
		No Heart Disease Present	Heart Disease Present
Predicted	No Heart Disease Present	25	3
	Heart Disease Present	10	22

Random Forest

- ROC Curve:
- AUC Score: 0.898



Questions?

