



Stroke Diagnostic Modeling

Big Apple Consulting

Mount Sinai
Diagnostics
Team



Big Apple Consulting Team



Anita Camlic

Data Scientist



Eddie Juarez

Data Scientist



Dermot O'Brien

Data Scientist



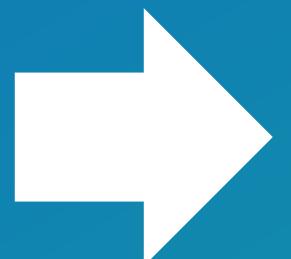
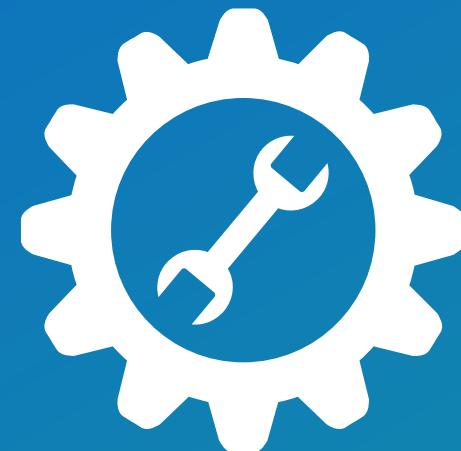
Overview



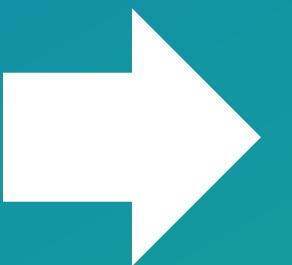
Business Problem

Help doctors identify patients at risk of stroke

Model Creation



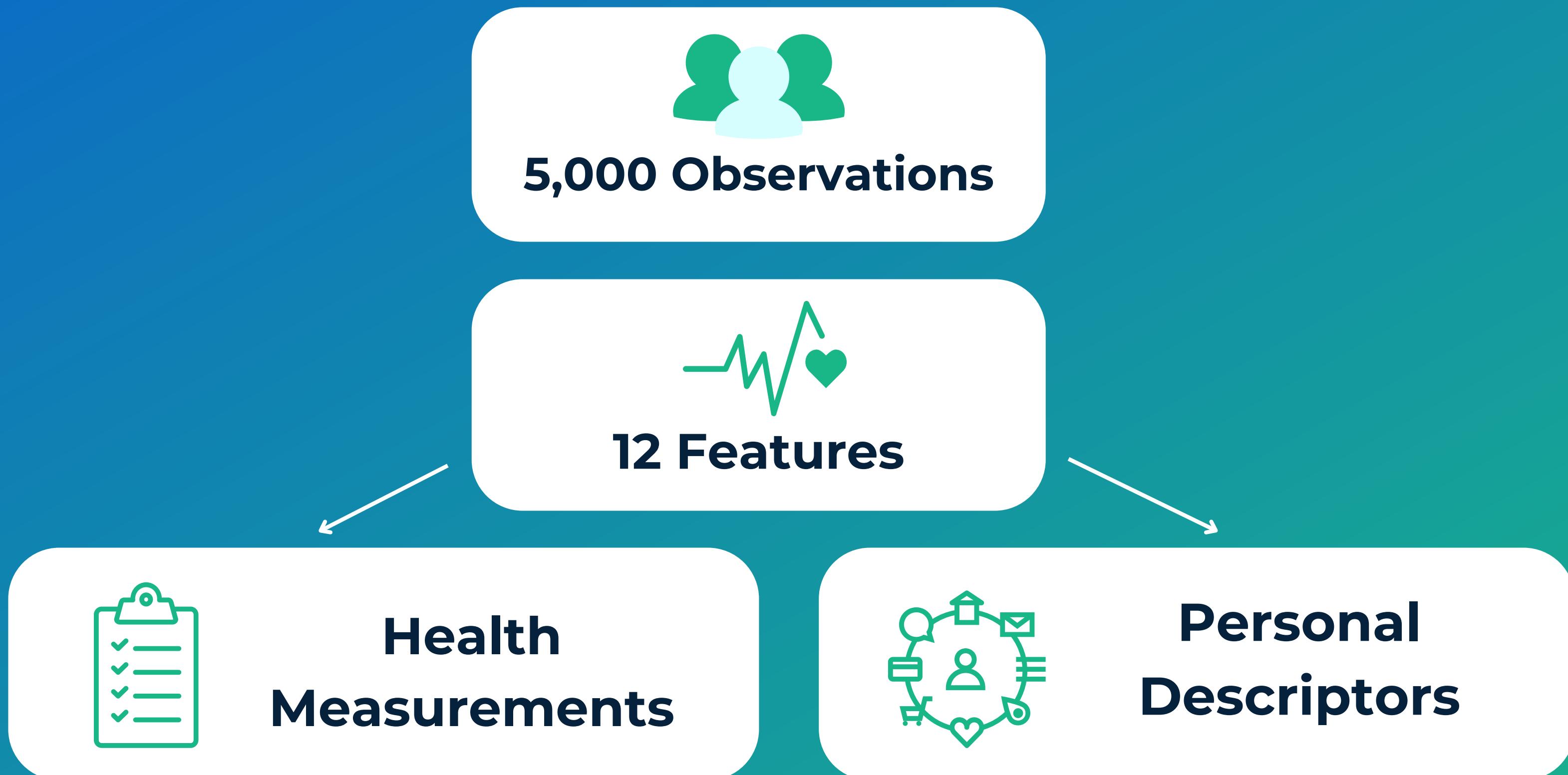
Identify Patients At Risk



Health Plans for Patients

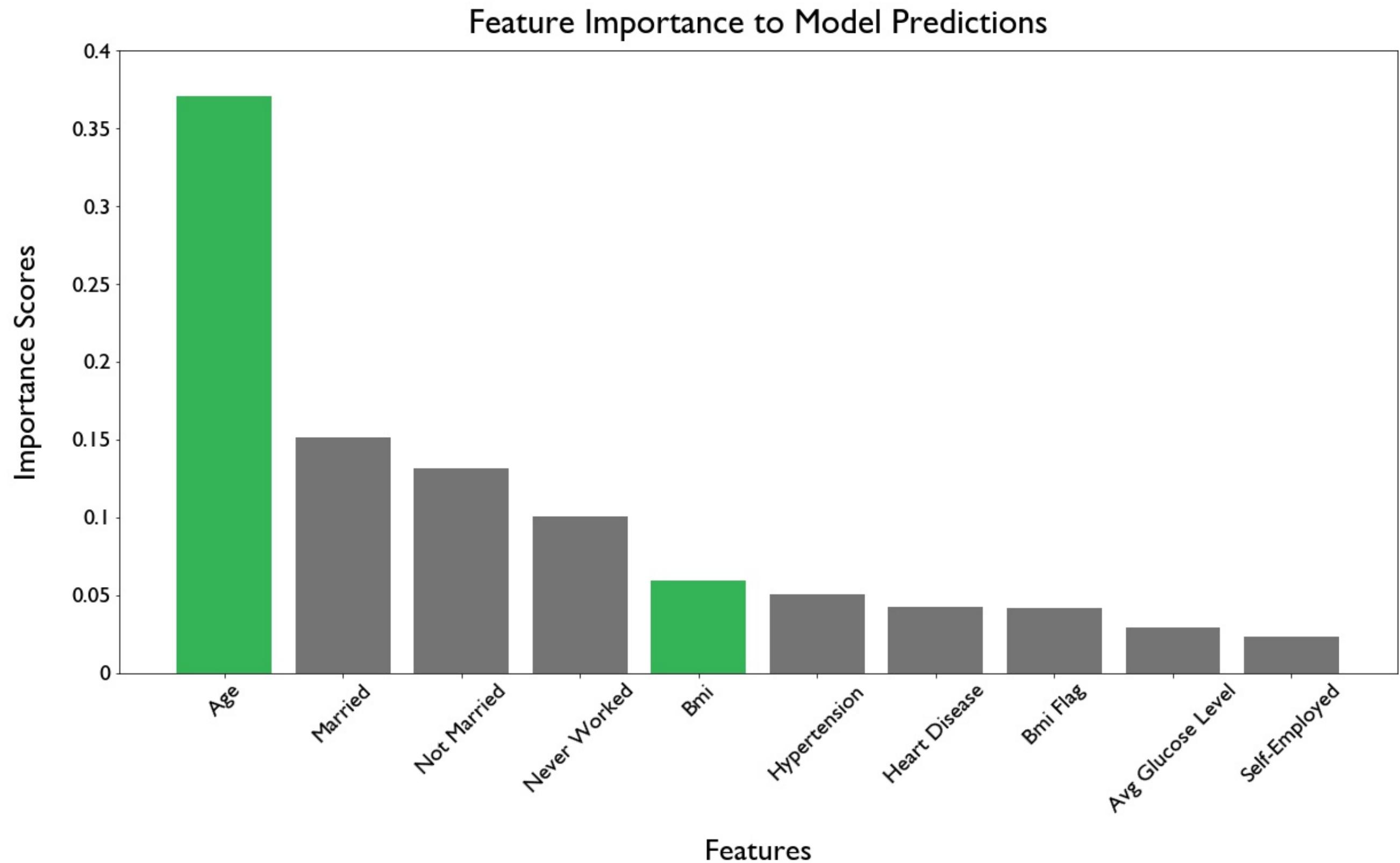


Data Understanding



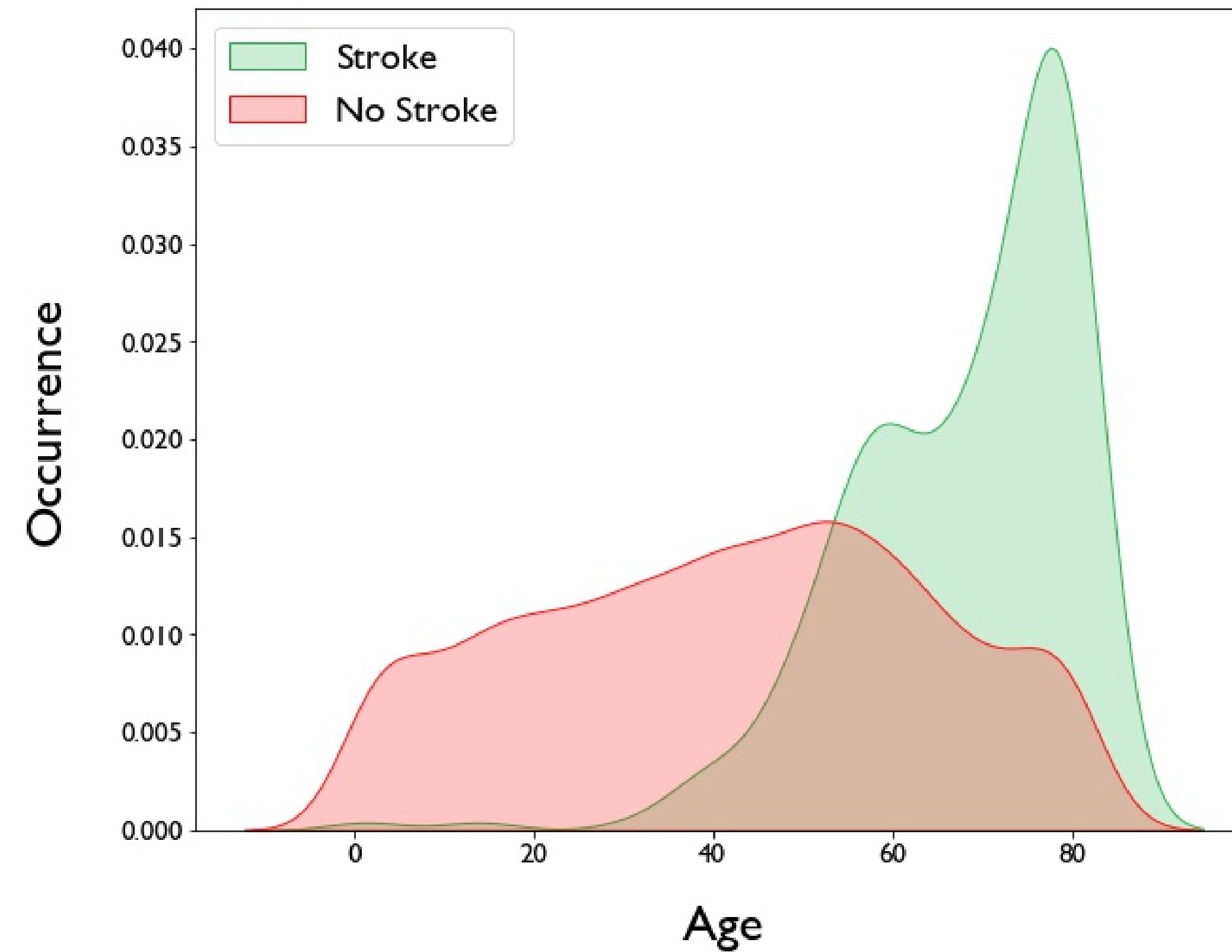
Final Model Evaluation

Recall Score : 98.8 %



Feature 1: Age

Age Distribution of Stroke vs No Stroke

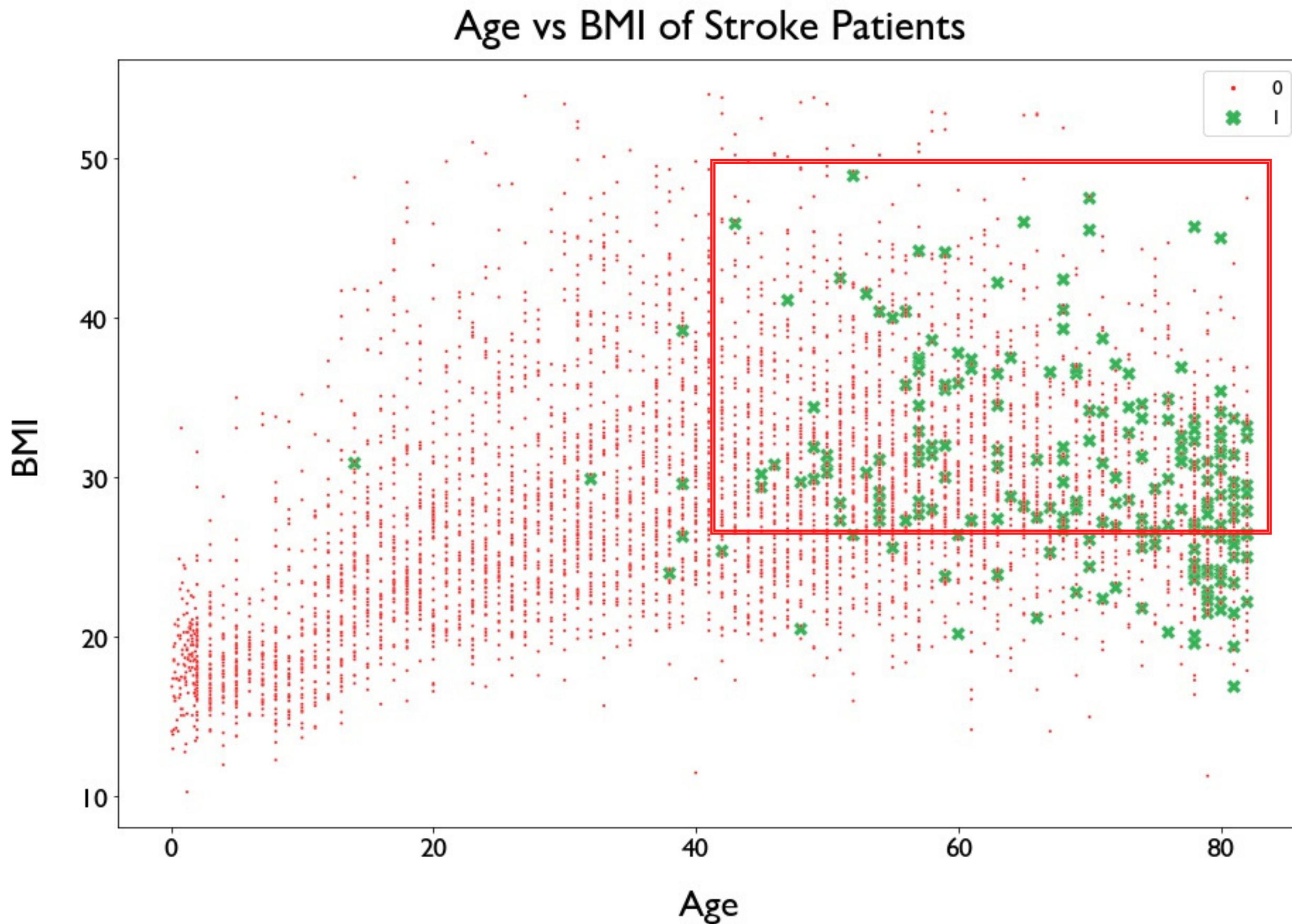


Feature 1: BMI

Key:

red box

- = • BMI ≥ 25 (Overweight according to NIH)
- Age ≥ 40 (From Age plot in previous slide)





RECOMMENDATIONS

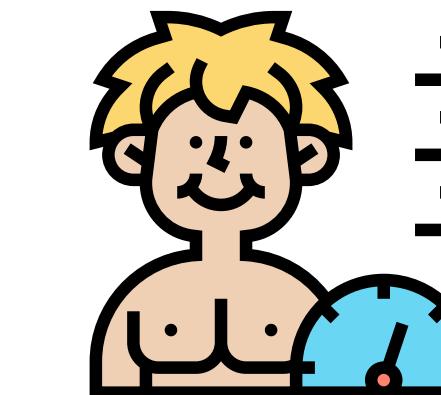
Incorporate our model into preliminary diagnostic tests to better curate health plans for high risk stroke patients

Important Indicators

Age



BMI



A close-up photograph of a medical professional's hands. The person is wearing a white lab coat over a blue shirt and a stethoscope around their neck. They are holding a white tablet device in their right hand and pointing their index finger towards the screen with their left hand. The background is a solid teal color.

Next Steps

1. Add more predictive features linked to strokes
2. Apply Modeling techniques for the prediction of other diseases

THANK



YOU



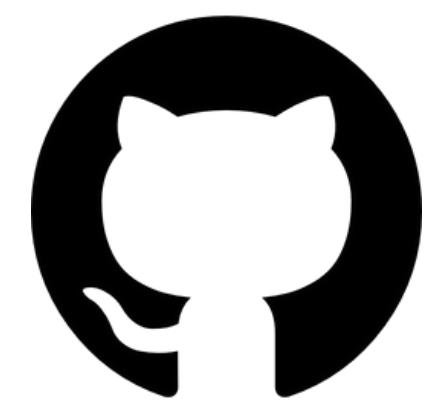
Email

Anita: anitacamlic@gmail.com
Eddie: ejuarez.nyc@gmail.com
Dermot: dermot.obri@gmail.com



LinkedIn

Anita: linkedin.com/in/anitacamlic
Eddie: linkedin.com/in/ed-juarez-00002021
Dermot: www.linkedin.com/in/dermotobri



GitHub

Anita: anita-camlic
Eddie: DSEDDIE
Dermot: dermothethird

