10 Q & A

1. Is it possible to predict the future heart attacks? How this study is helpful?
Heart attacks can be predicted months in advance by assessing the risk factors of the patient,

which include hypercholesterolemia, hypertension, diabetes and tobacco use, along with

obesity, lack of exercise, and elevated inflammatory markers such as CRP. A great deal of

research is currently being done using ML techniques to find newer markers that can help

predict the risk of a heart attack before it occurs.

2. How do end-users access the results?
This model needs to be trained with massive data to get accurate results. This model can be

used as independent entity that can take inputs ['age', 'sex', 'cp','trestbps', 'chol',

'fbs','restecg','thalach','exang','oldpeak','slope','ca','thal'] and predicts the heart attack.

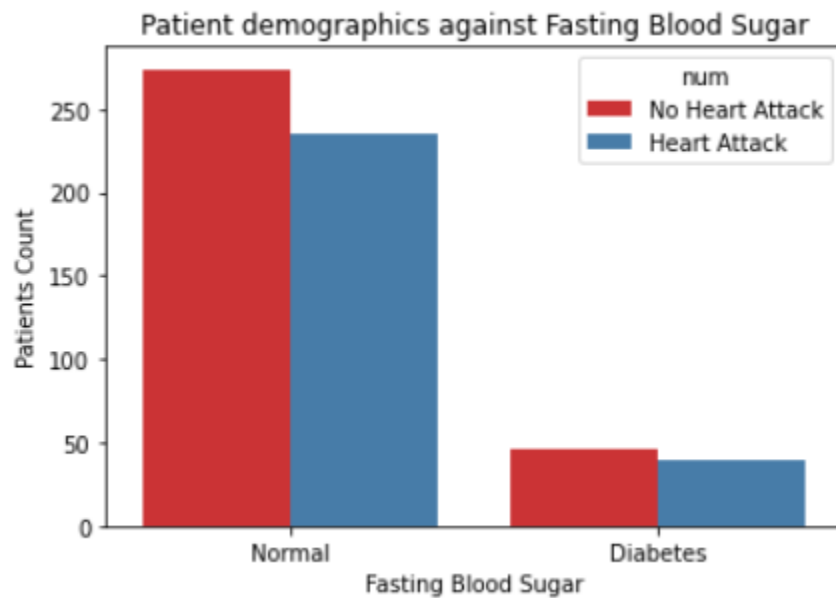**3. What is the common age the heart attack is getting detected?**

This disease is commonly seen for adult's age between 18 to 35
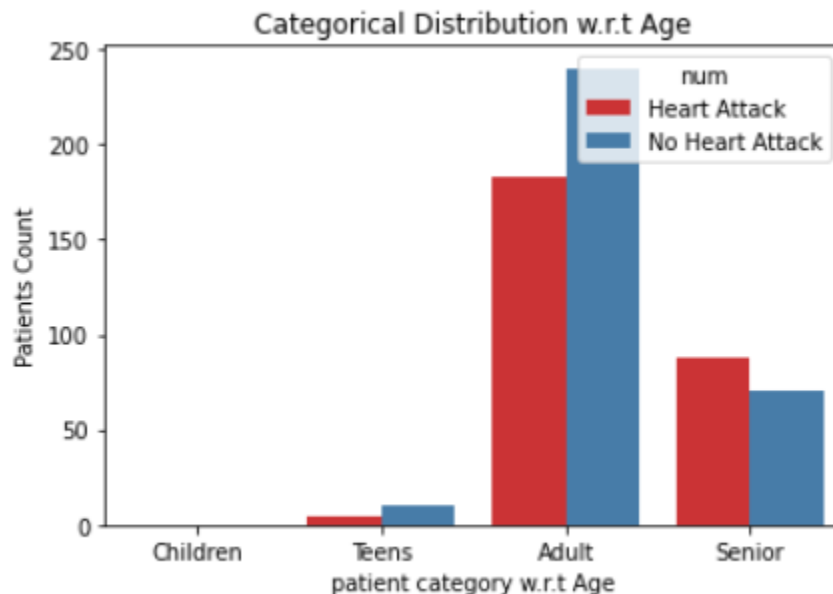
4. **What is the distribution of blood pressure?**

Distribution of blood pressure
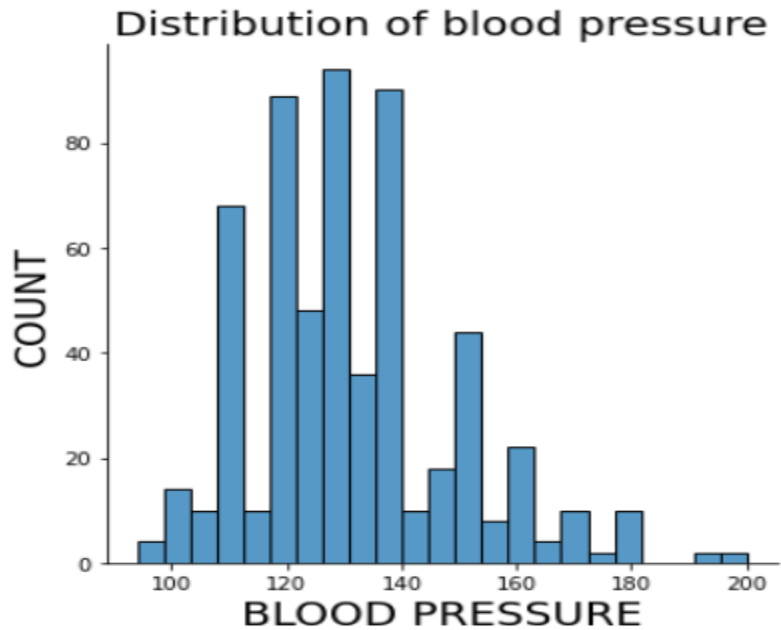
5. **Define relation to fasting blood sugar with cardio vascular disease?**

Patient demographics against Fasting Blood Sugar

6. Which classifier is accurate for heart attack prediction?

Random forest is more accurate than other classifiers as listed below

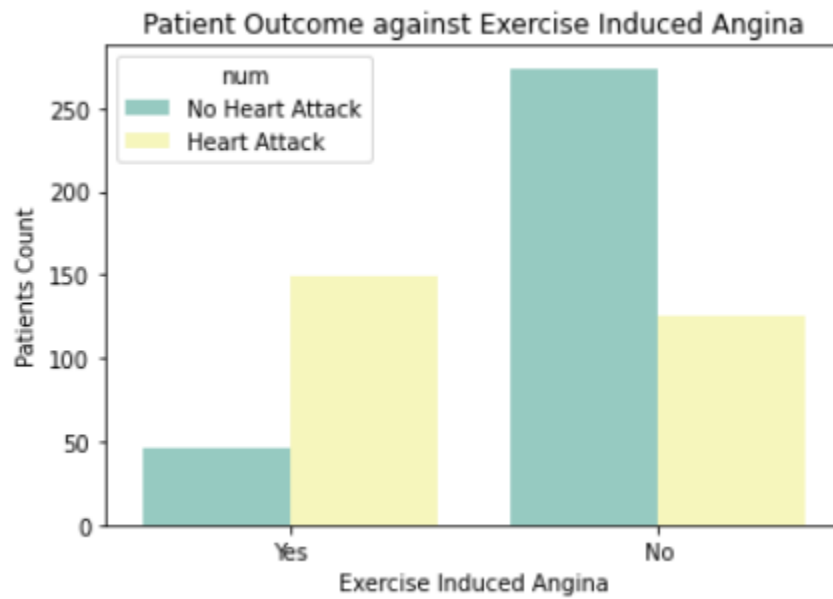|	MODEL	ACCURACY_SCORE
1	Random Forest Classifier	0.988827
2	Decision Tree	0.955307
3	Logistic Regression	0.849162
4	SVM Classifier	0.837989

7. Who is affected most male or female?

8. What is Patient Outcome against Chest Pain Type?
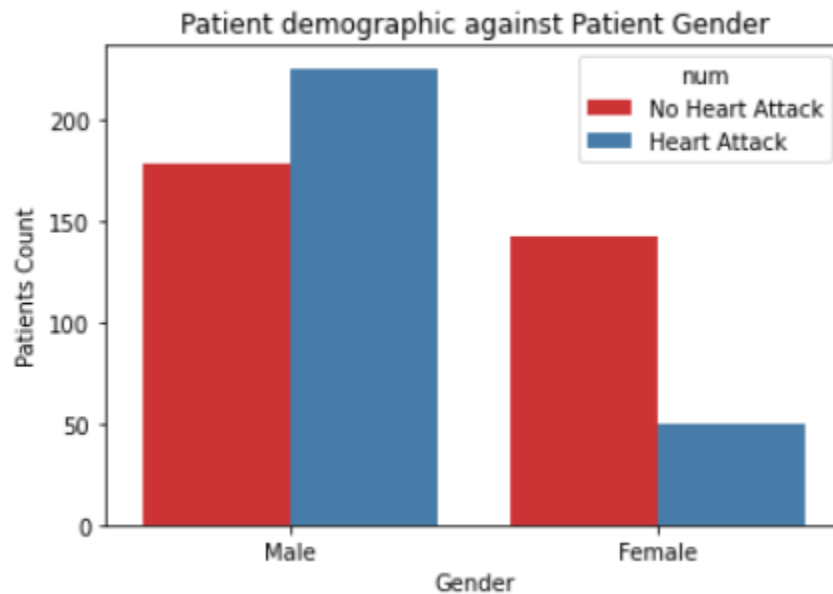
Patient Outcome against Chest Pain Type

9. What is Patient Outcome against Exercise Induced Angina?
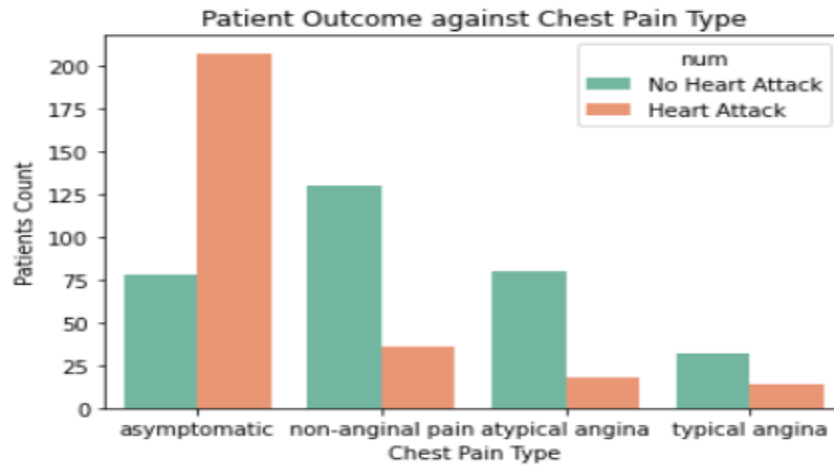
Patient Outcome against Exercise Induced Angina

10. What is Patient Outcome against thal?

Patient Outcome against thal