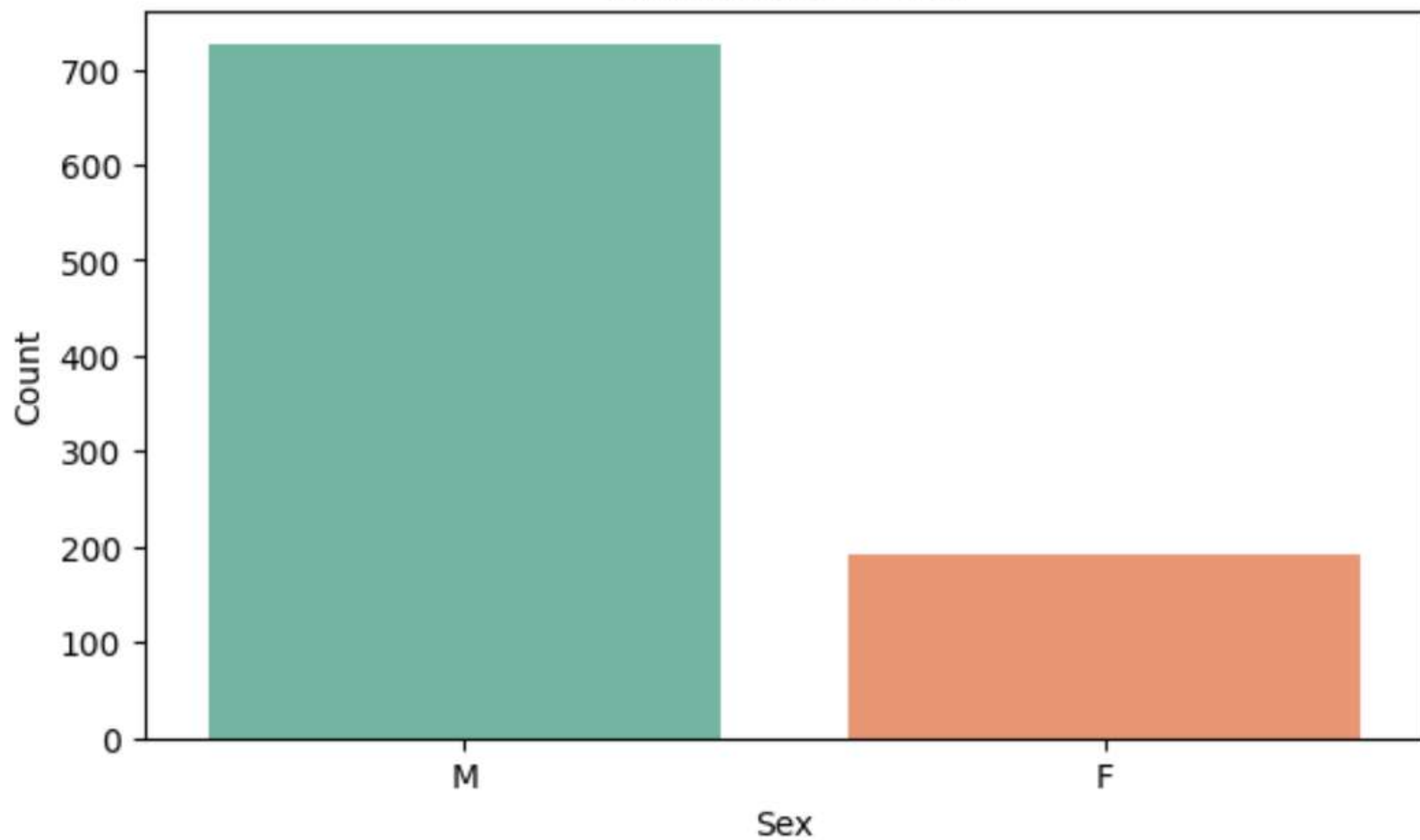


	Age	Sex	ChestPainType	RestingBP	Cholesterol	FastingBS	RestingECG	MaxHR	ExerciseAngina	Oldpeak	ST_Slope	HeartDisease
0	40	M	ATA	140.0	289.0	0	Normal	172	N	0.0	Up	0
1	49	F	NAP	160.0	180.0	0	Normal	156	N	1.0	Flat	1
2	37	M	ATA	130.0	283.0	0	ST	98	N	0.0	Up	0
3	48	F	ASY	138.0	214.0	0	Normal	108	Y	1.5	Flat	1
4	54	M	NAP	150.0	195.0	0	Normal	122	N	0.0	Up	0
...
913	45	M	TA	110.0	264.0	0	Normal	132	N	1.2	Flat	1
914	68	M	ASY	144.0	193.0	1	Normal	141	N	3.4	Flat	1
915	57	M	ASY	130.0	131.0	0	Normal	115	Y	1.2	Flat	1
916	57	F	ATA	130.0	236.0	0	LVH	174	N	0.0	Flat	1
917	38	M	NAP	138.0	175.0	0	Normal	173	N	0.0	Up	0

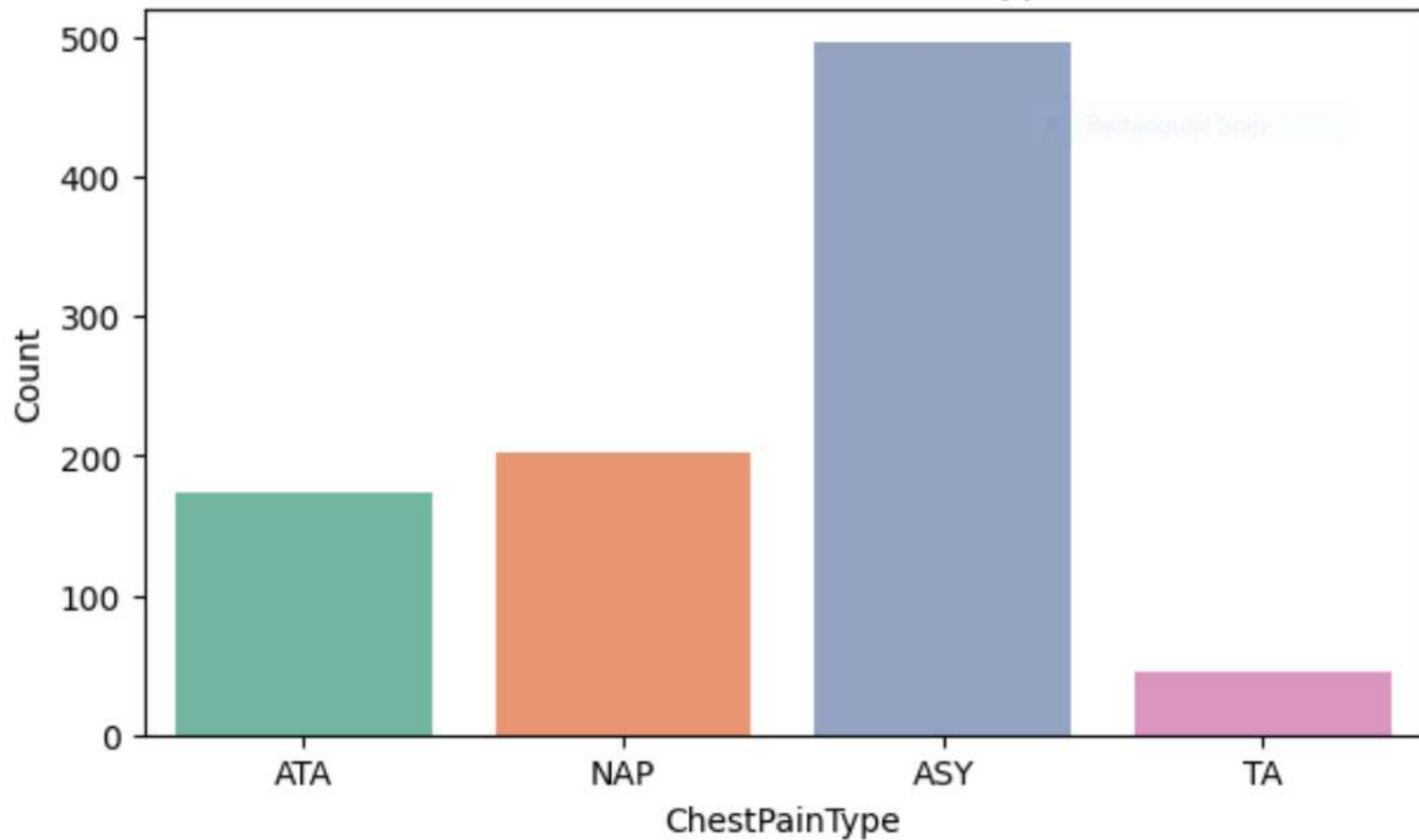
918 rows × 12 columns

	Age	RestingBP	Cholesterol	FastingBS	MaxHR	Oldpeak	HeartDisease
count	918.000000	918.000000	918.000000	918.000000	918.000000	918.000000	918.000000
mean	53.510893	132.396514	198.799564	0.233115	136.809368	0.887364	0.553377
std	9.432617	18.514154	109.384145	0.423046	25.460334	1.066570	0.497414
min	28.000000	0.000000	0.000000	0.000000	60.000000	-2.600000	0.000000
25%	47.000000	120.000000	173.250000	0.000000	120.000000	0.000000	0.000000
50%	54.000000	130.000000	223.000000	0.000000	138.000000	0.600000	1.000000
75%	60.000000	140.000000	267.000000	0.000000	156.000000	1.500000	1.000000
max	77.000000	200.000000	603.000000	1.000000	202.000000	6.200000	1.000000

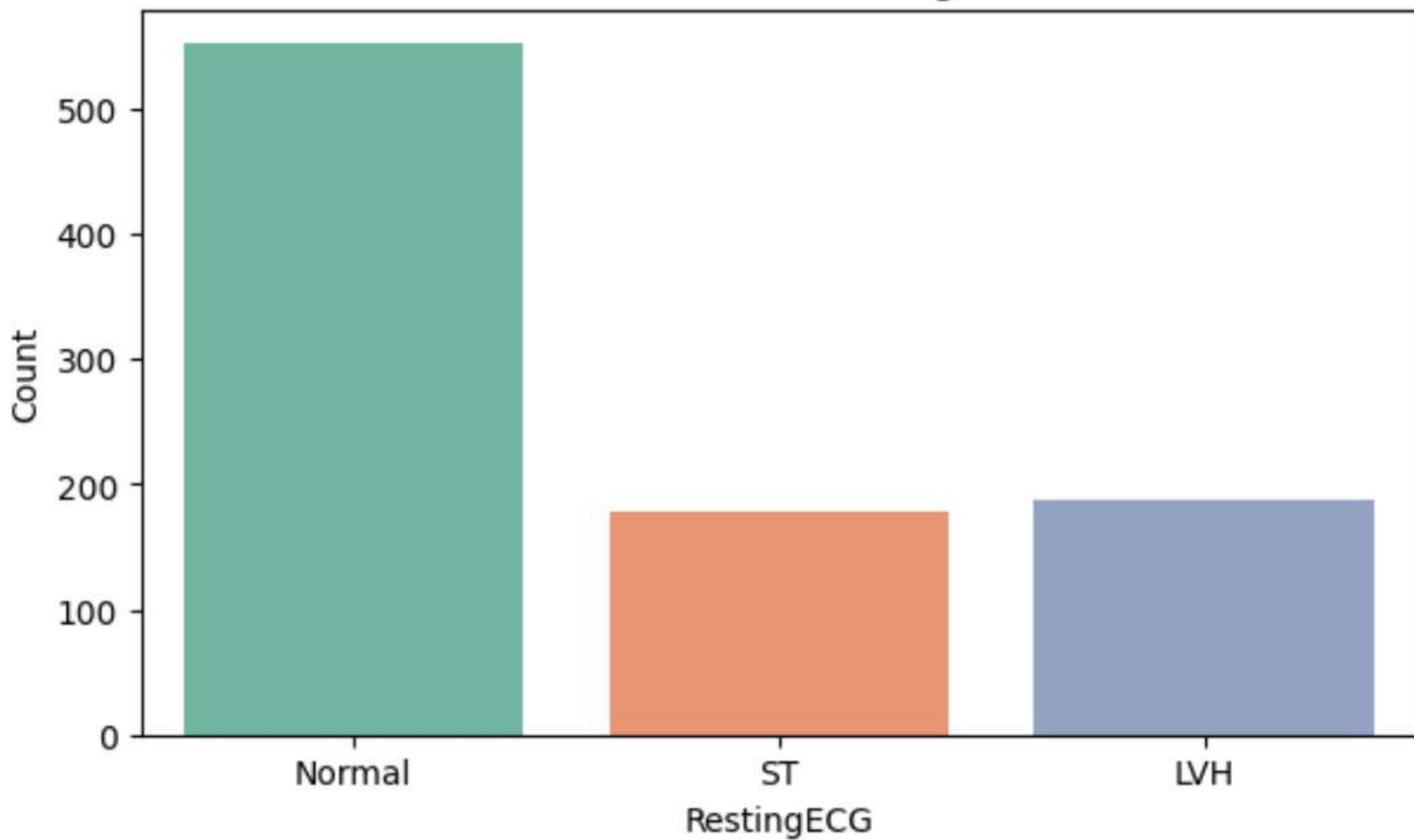
Distribution of Sex



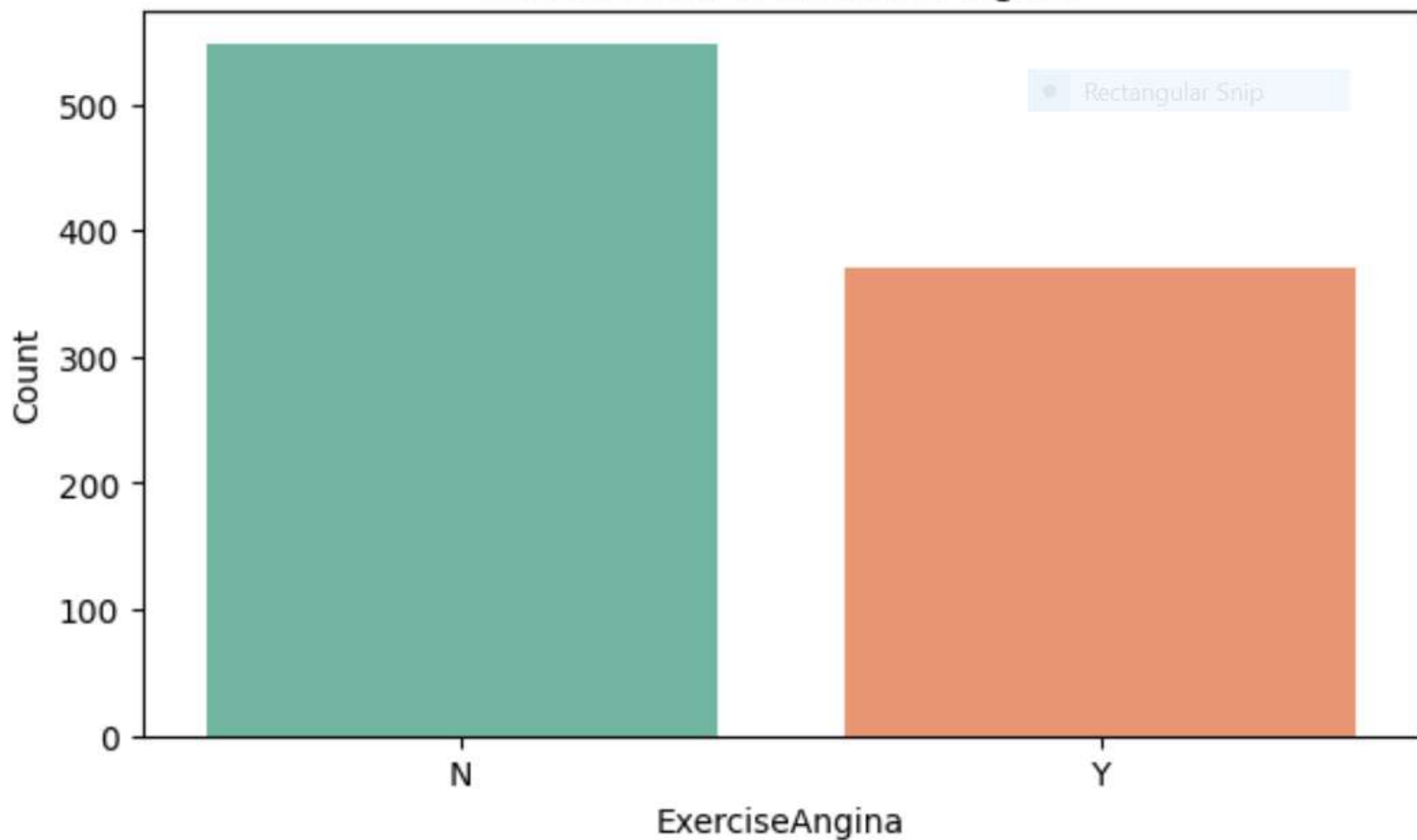
Distribution of ChestPainType



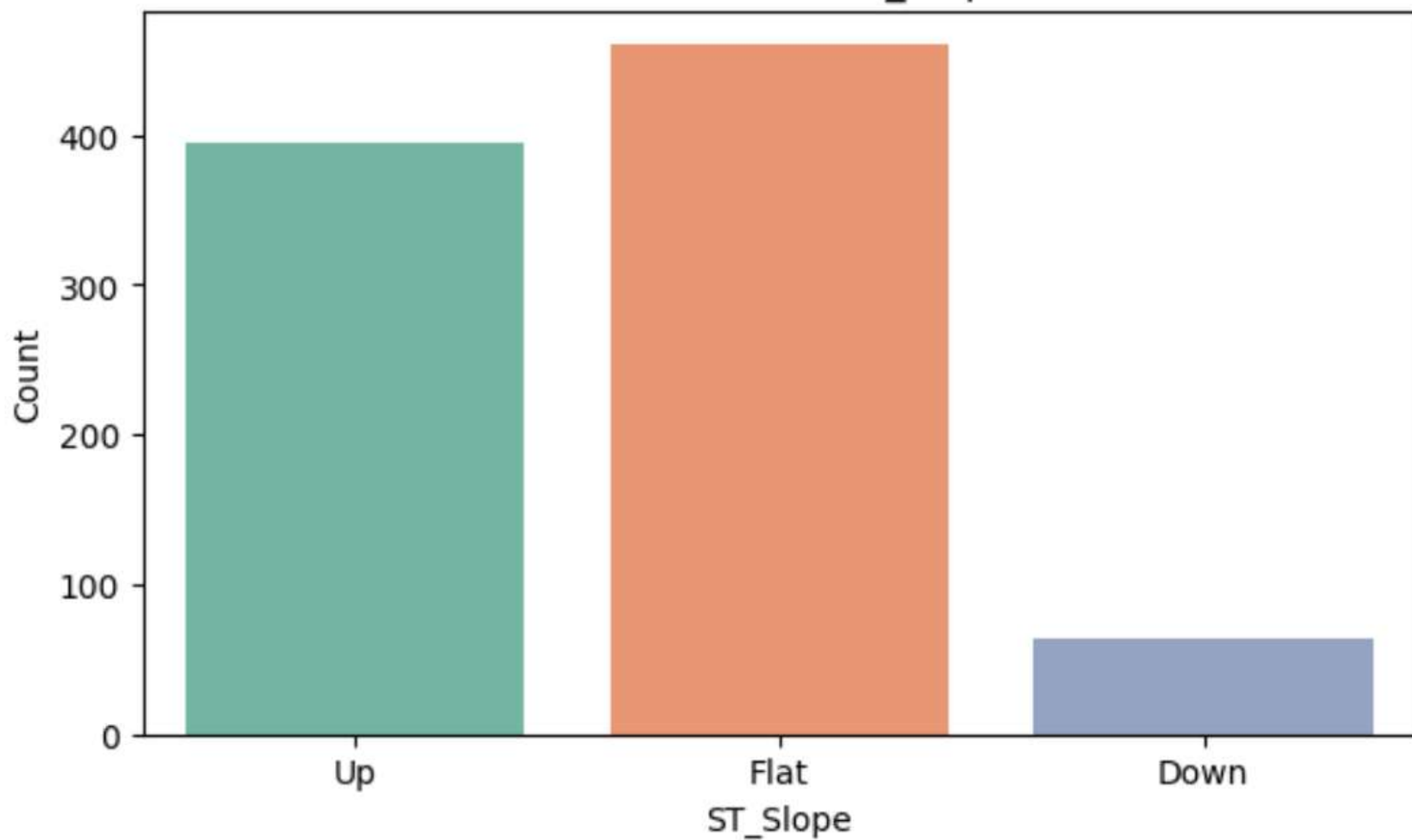
Distribution of RestingECG



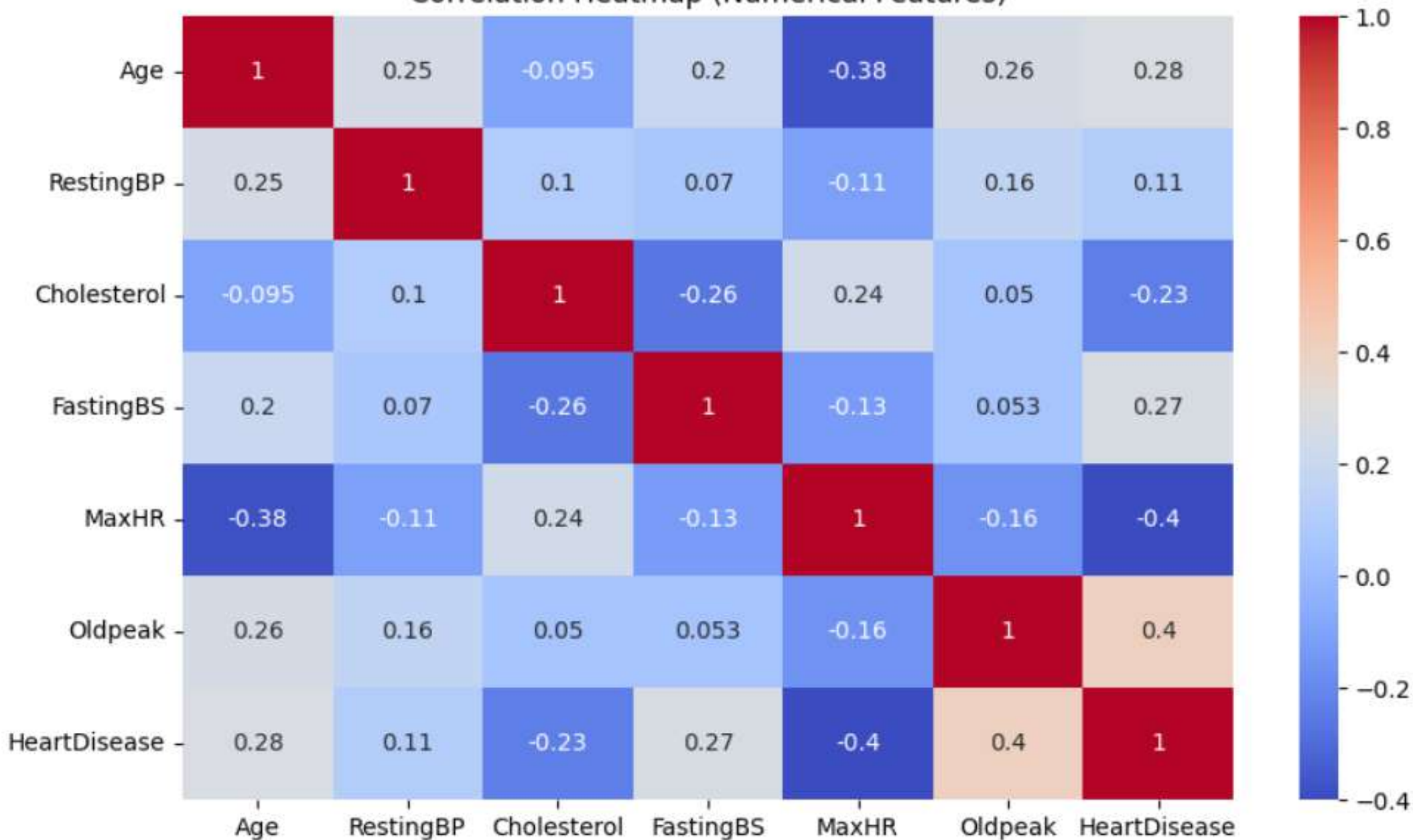
Distribution of ExerciseAngina

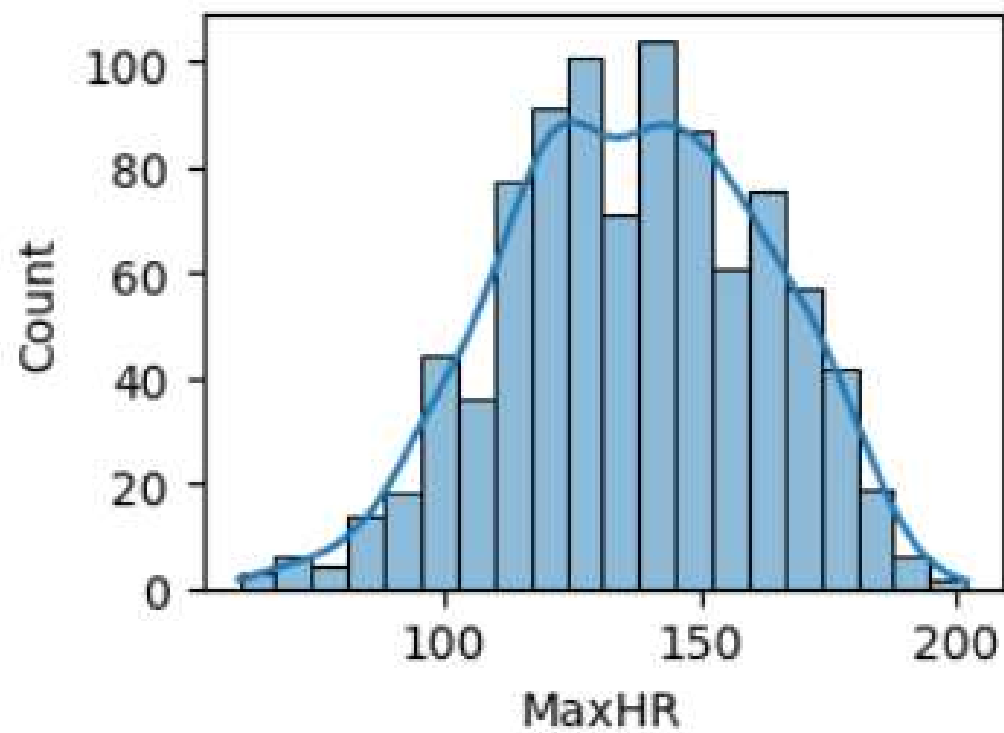
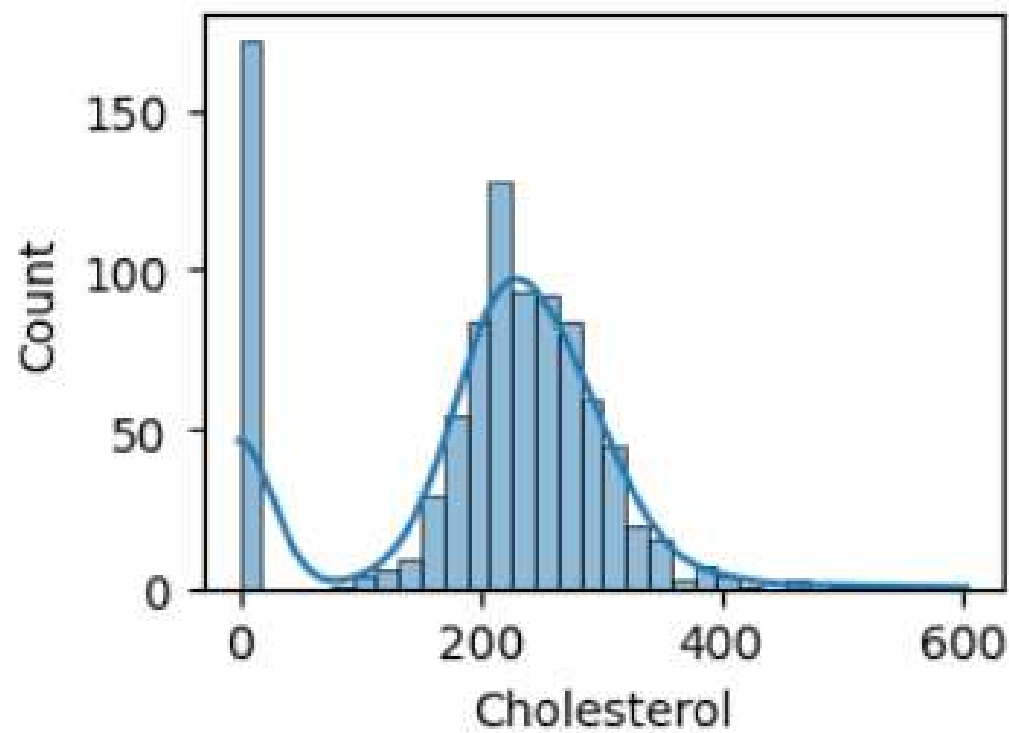
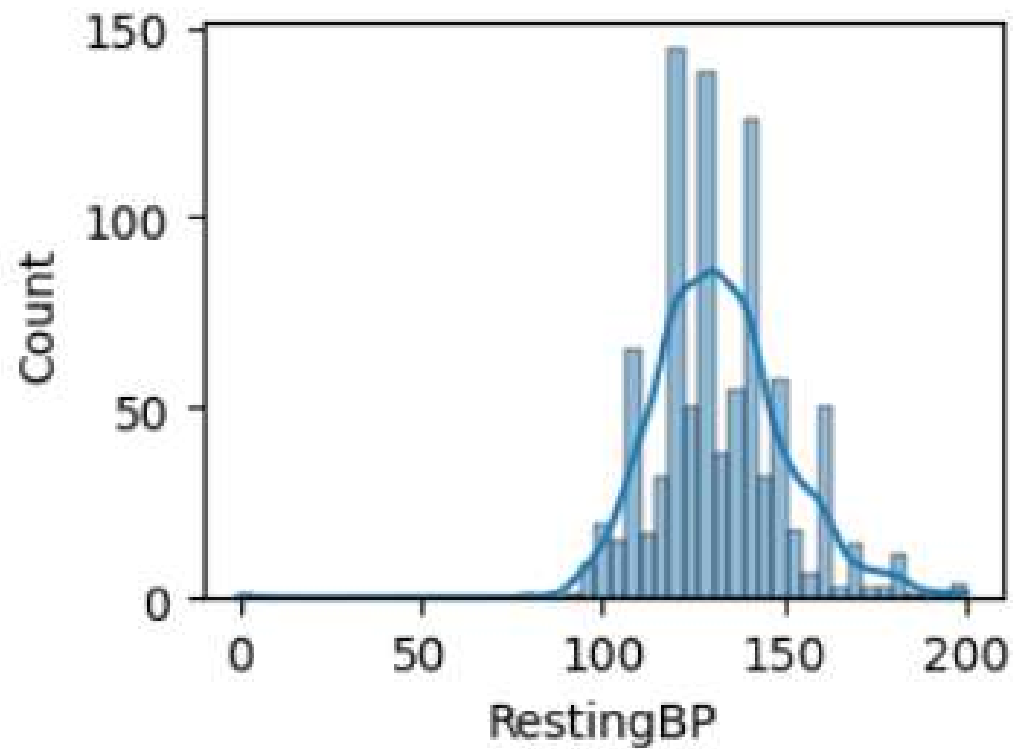
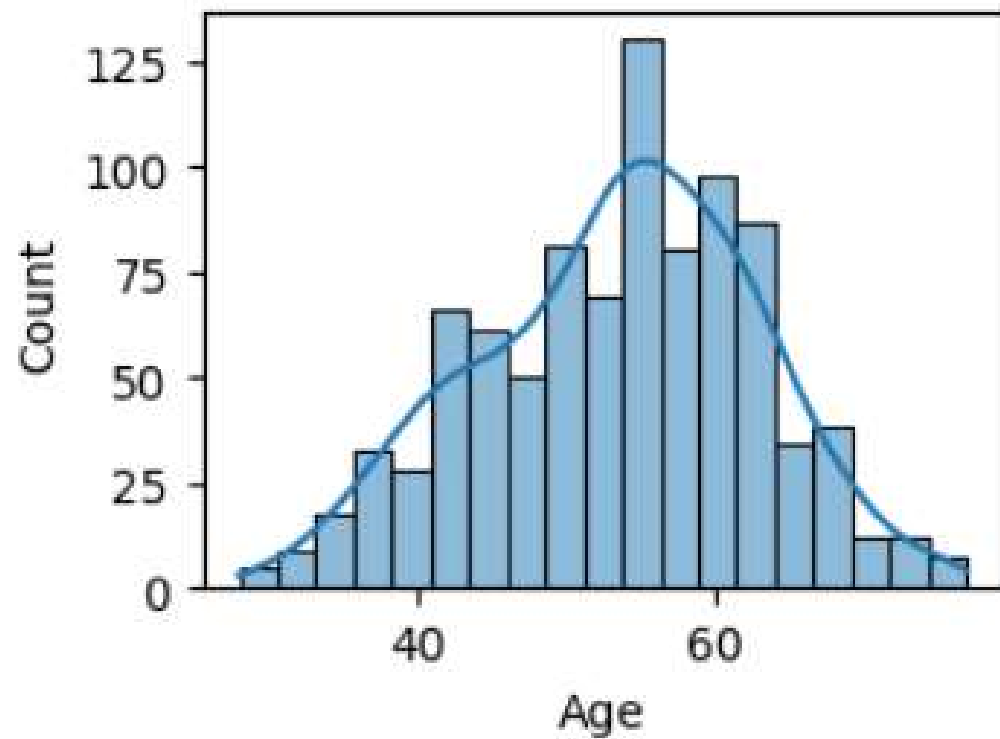


Distribution of ST_Slope

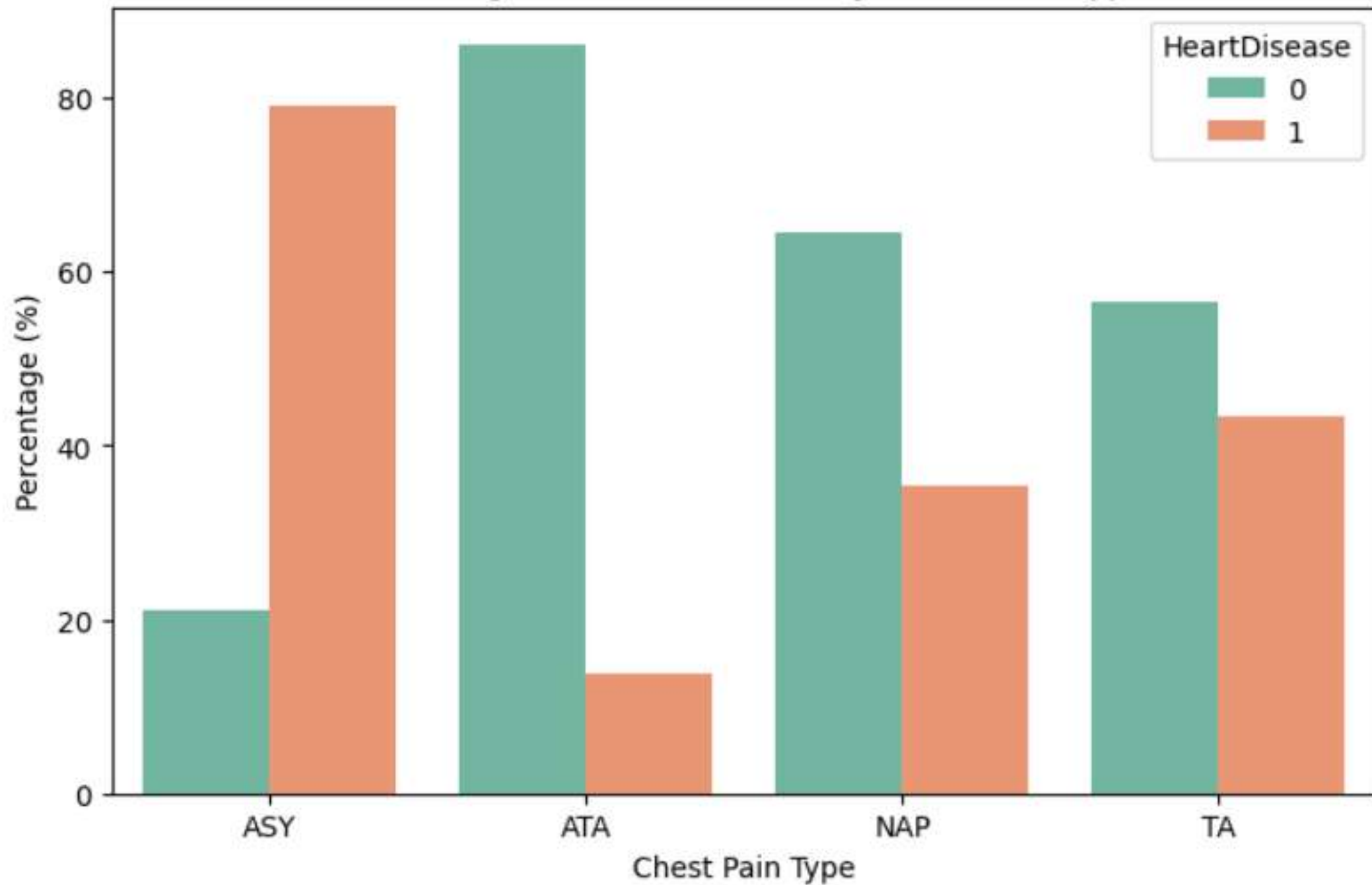


Correlation Heatmap (Numerical Features)

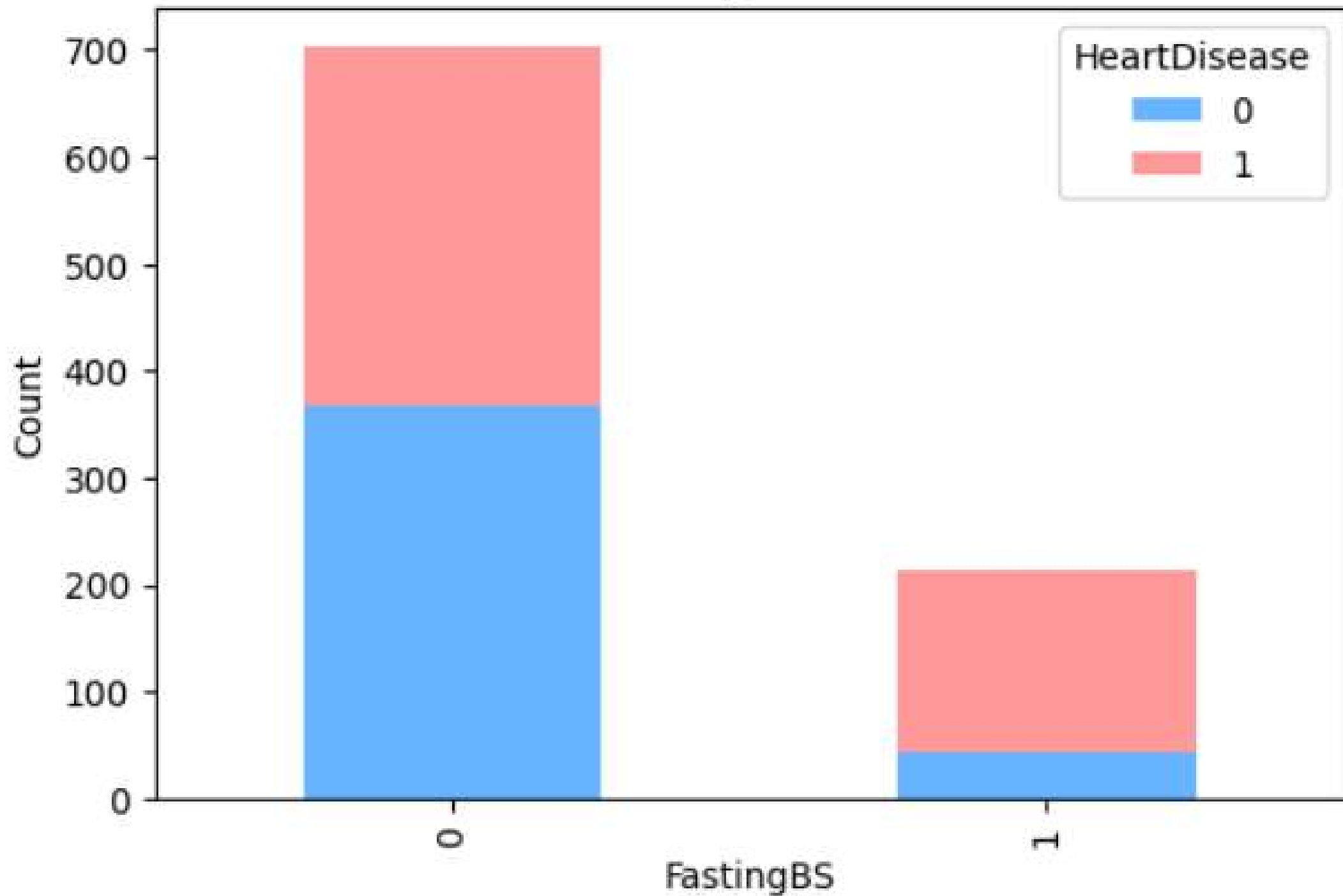




Percentage of Heart Disease by Chest Pain Type



Stacked Bar: FastingBS vs Heart Disease



```
[{'model': 'logistic regression', 'Accuracy': 0.8713, 'f1 score': 0.887},  
 {'model': 'KNN', 'Accuracy': 0.8449, 'f1 score': 0.863},  
 {'model': 'Naive Byaes', 'Accuracy': 0.8581, 'f1 score': 0.8746},  
 {'model': 'Decision Tree', 'Accuracy': 0.7525, 'f1 score': 0.7748},  
 {'model': 'svm', 'Accuracy': 0.8614, 'f1 score': 0.88}]
```

Deploy

♥ Heart Stroke Prediction by Nensi Andani ♥

Provide the following details

Age

25

18

100

Sex

M



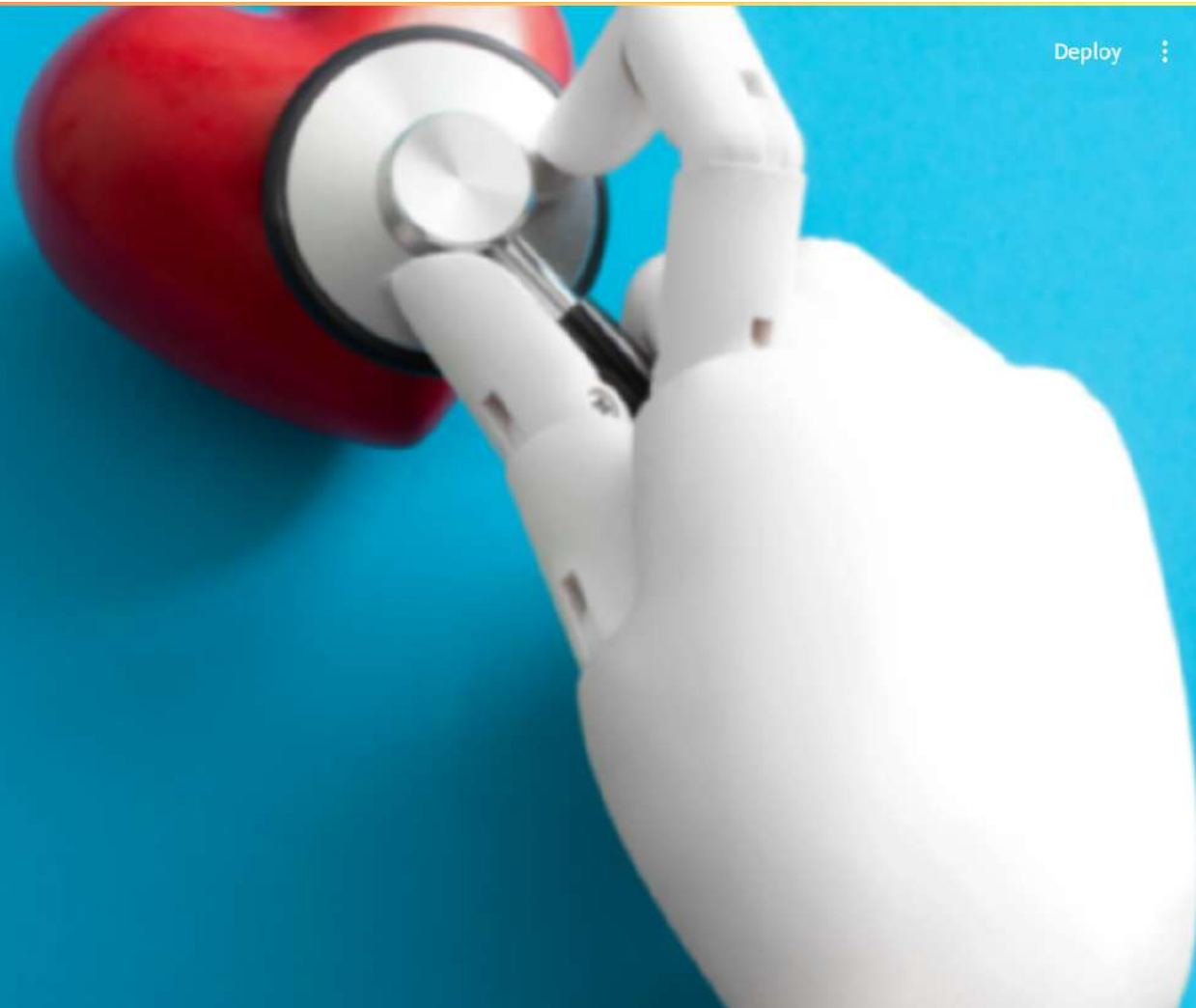
Chest Pain Type

ATA



Resting Blood Pressure (mm Hg)

120



Cholesterol (mg/dl)

200

-

+

Fasting Blood Sugar > 120 mg/dl

0

▼

Resting ECG

Normal

▼

Max Heart Rate



Exercise-Induced Angina

Y

▼

Oldpeak (ST Depression)

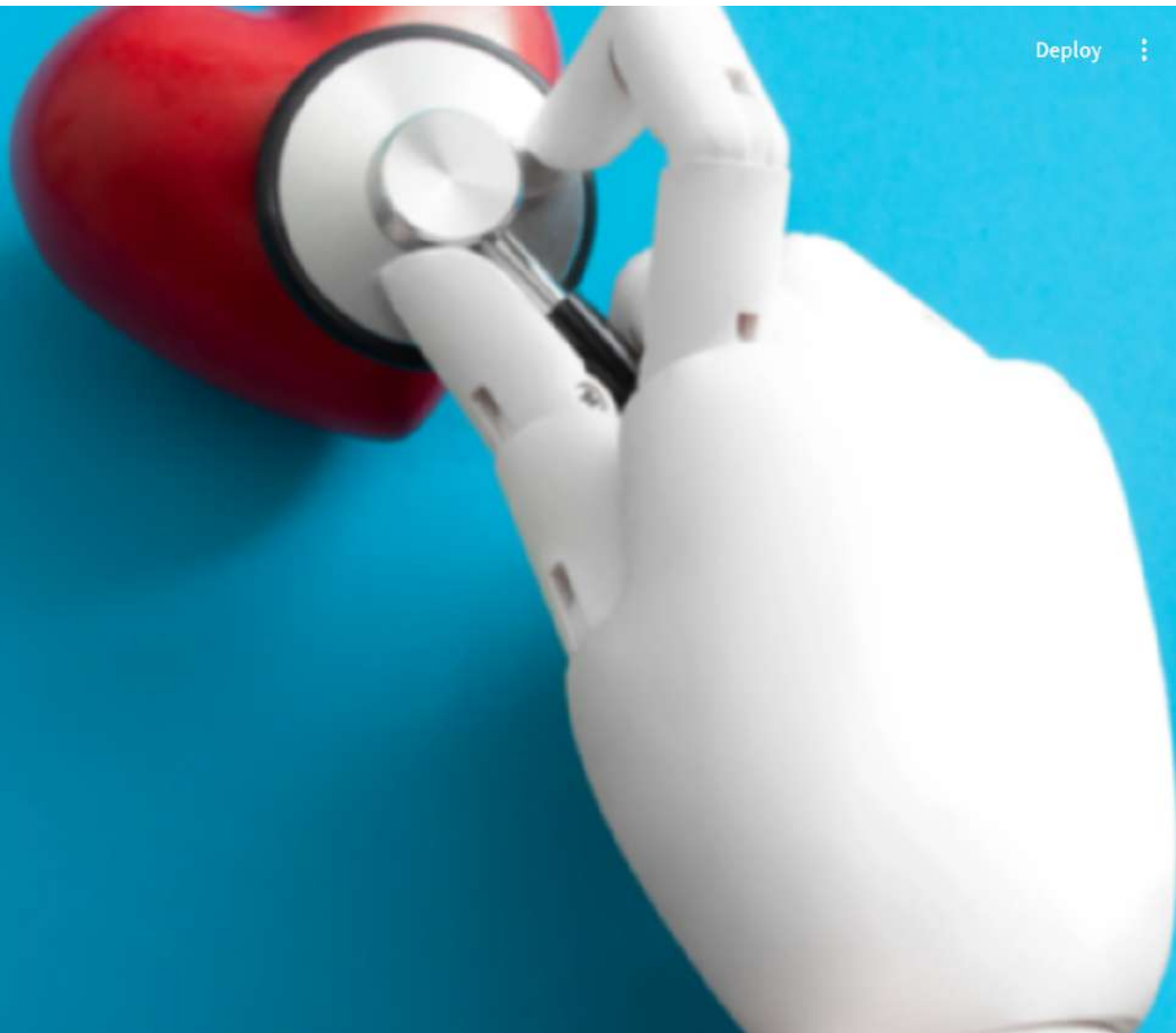


ST Slope

Up

▼

Deploy



0

Resting ECG

Normal

Max Heart Rate

150

60 220

Exercise-Induced Angina

Y

Y

N

0.00 6.00

ST Slope

Up

Predict

♥ Low Risk of Heart Disease ♥



1



Deploy



Resting ECG

Normal



Max Heart Rate

150

60

220

Exercise-Induced Angina

N



Oldpeak (ST Depression)

1.00

0.00

6.00

ST Slope

Flat



Predict



High Risk of Heart Disease

