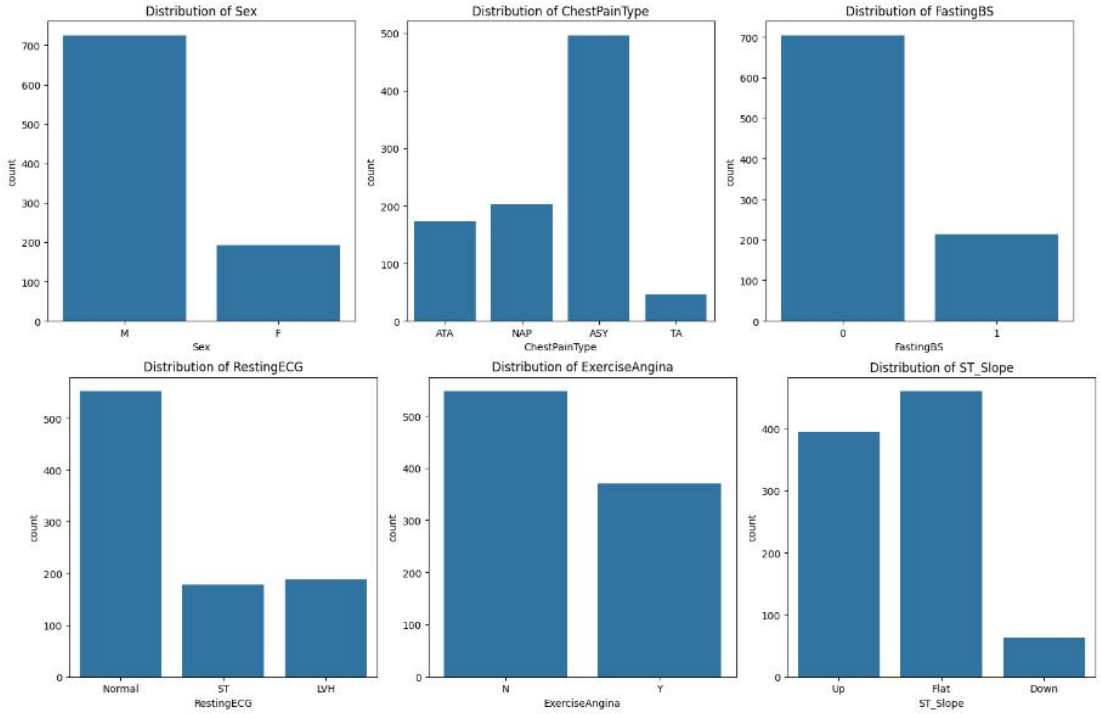
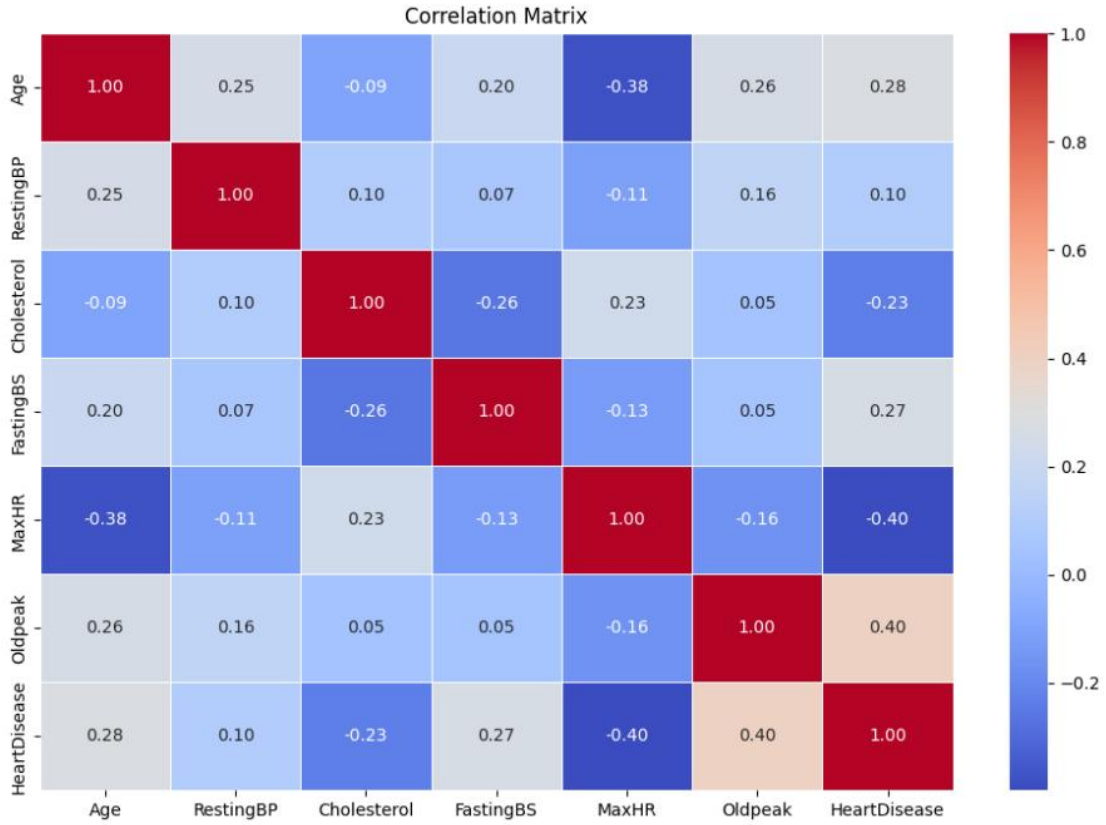
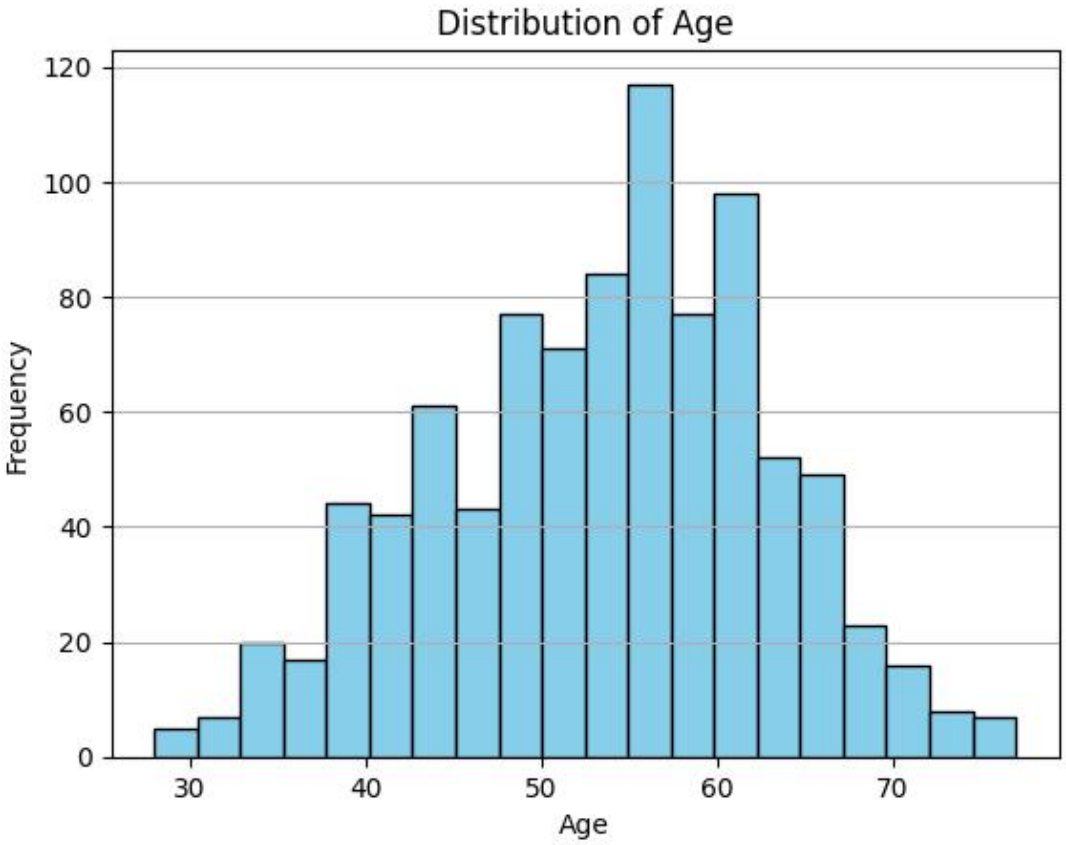
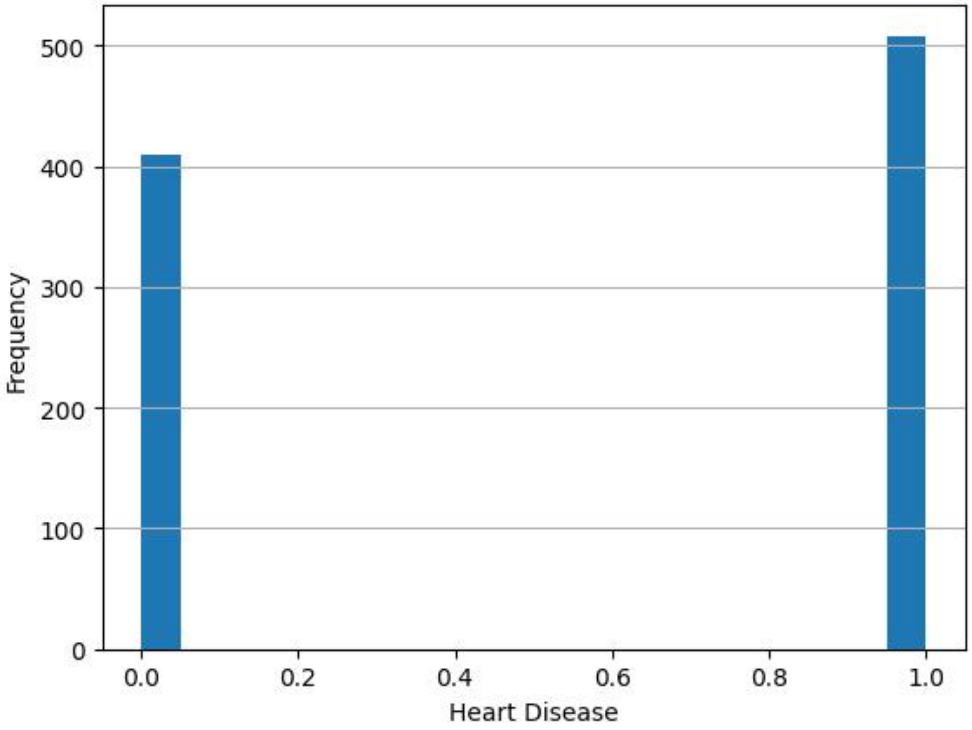
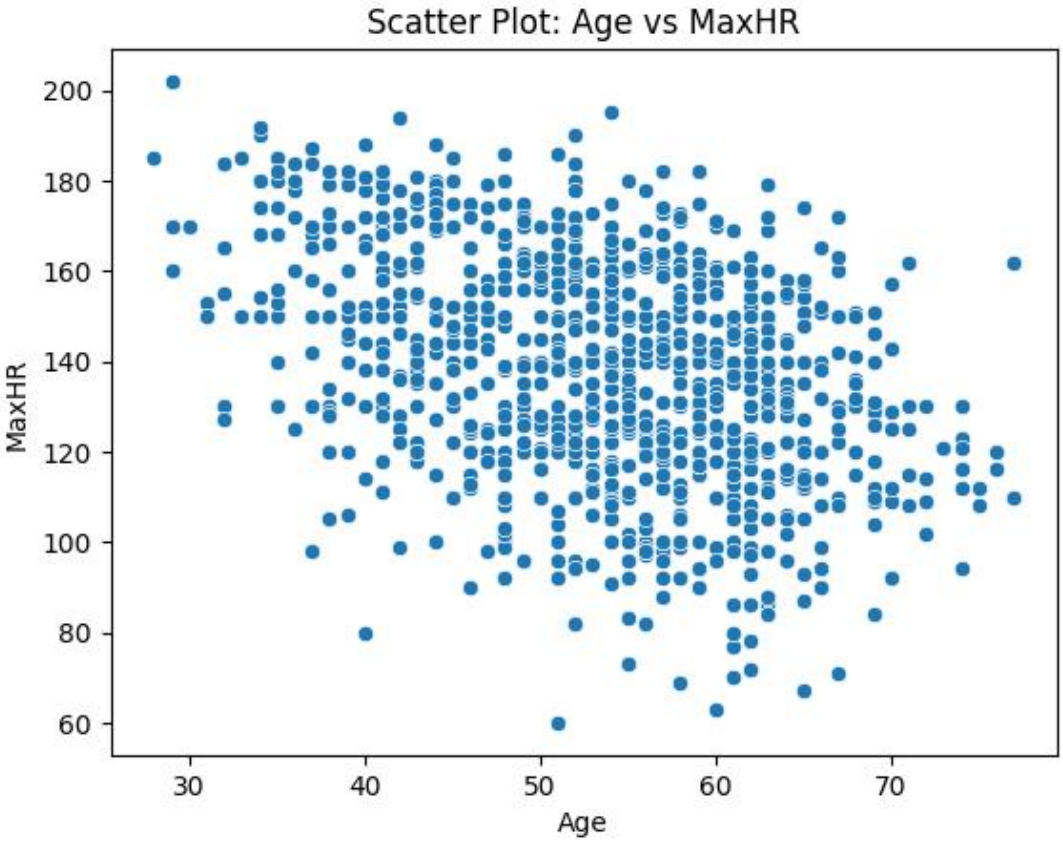
Data Visualization

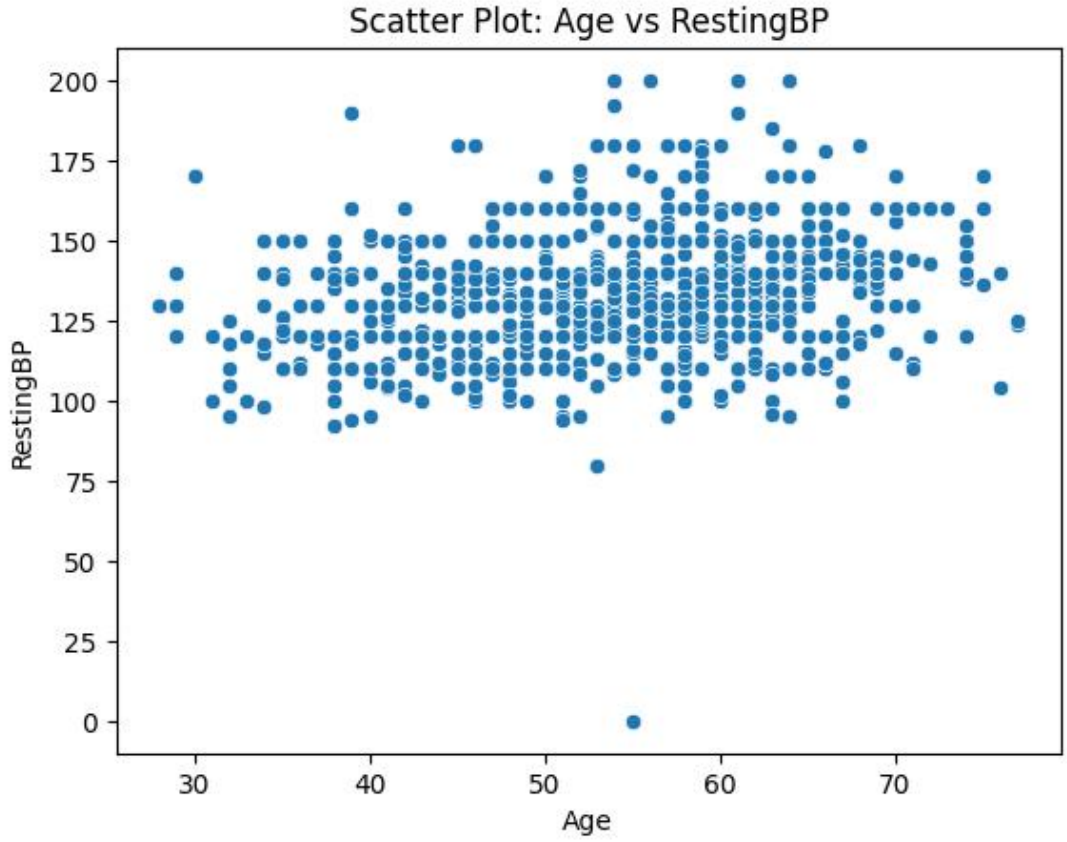


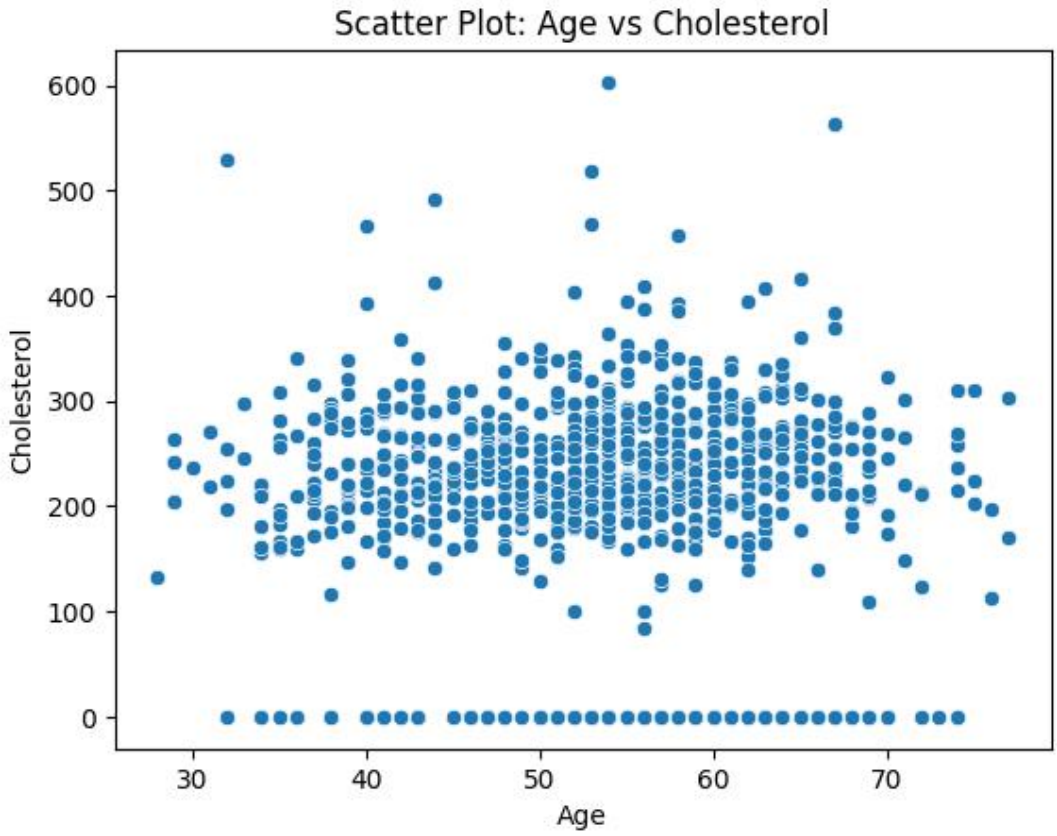


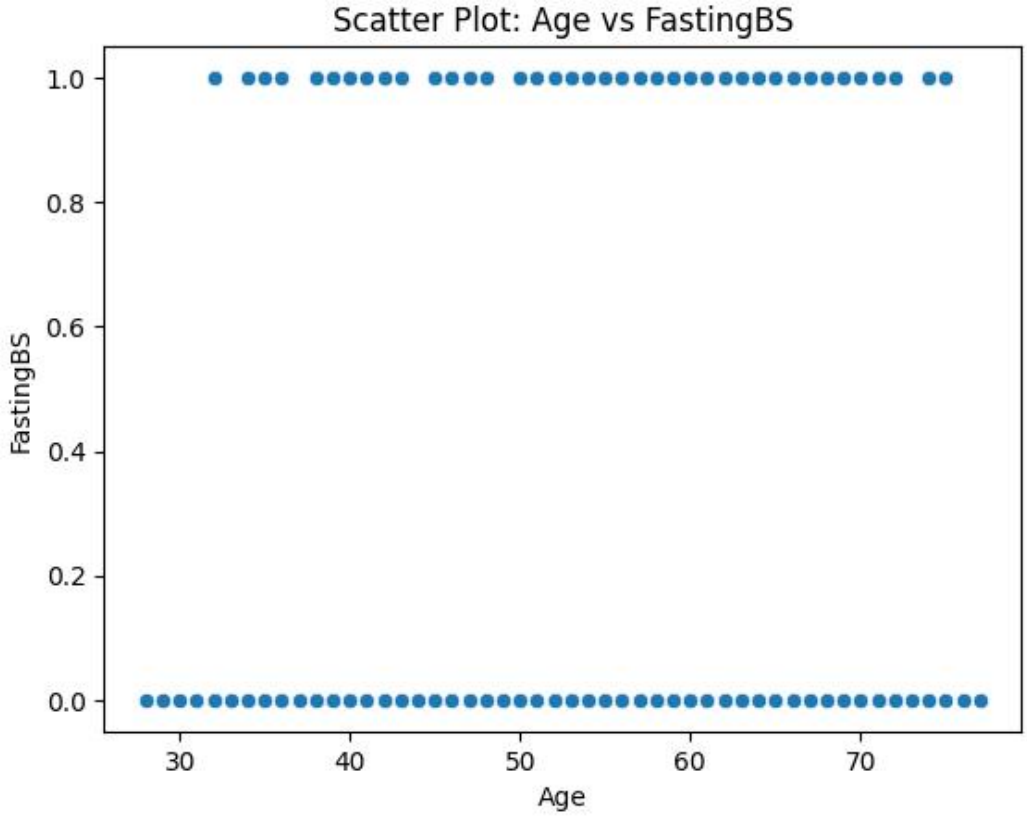

Distribution of Age
Frequency
Age
0
20
40
60
80
100
120
30
40
50
60
70

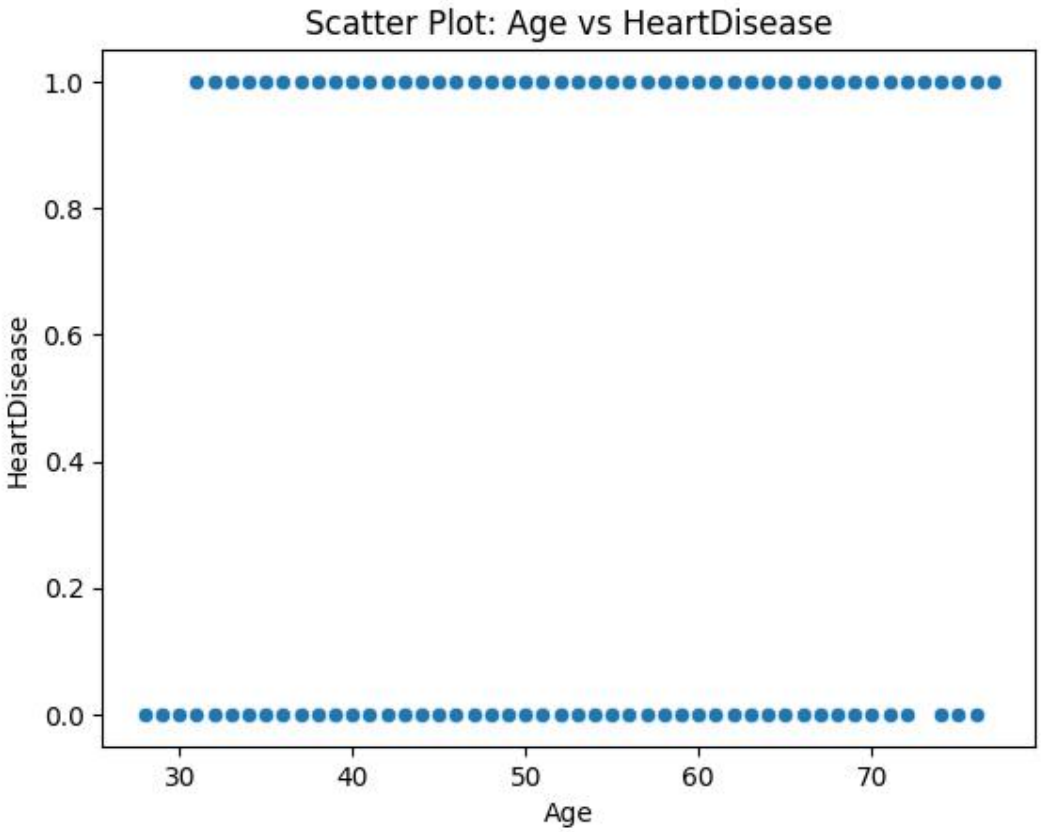

Frequency
Heart Disease
0
100
200
300
400
500
0.0
0.2
0.4
0.6
0.8
1.0

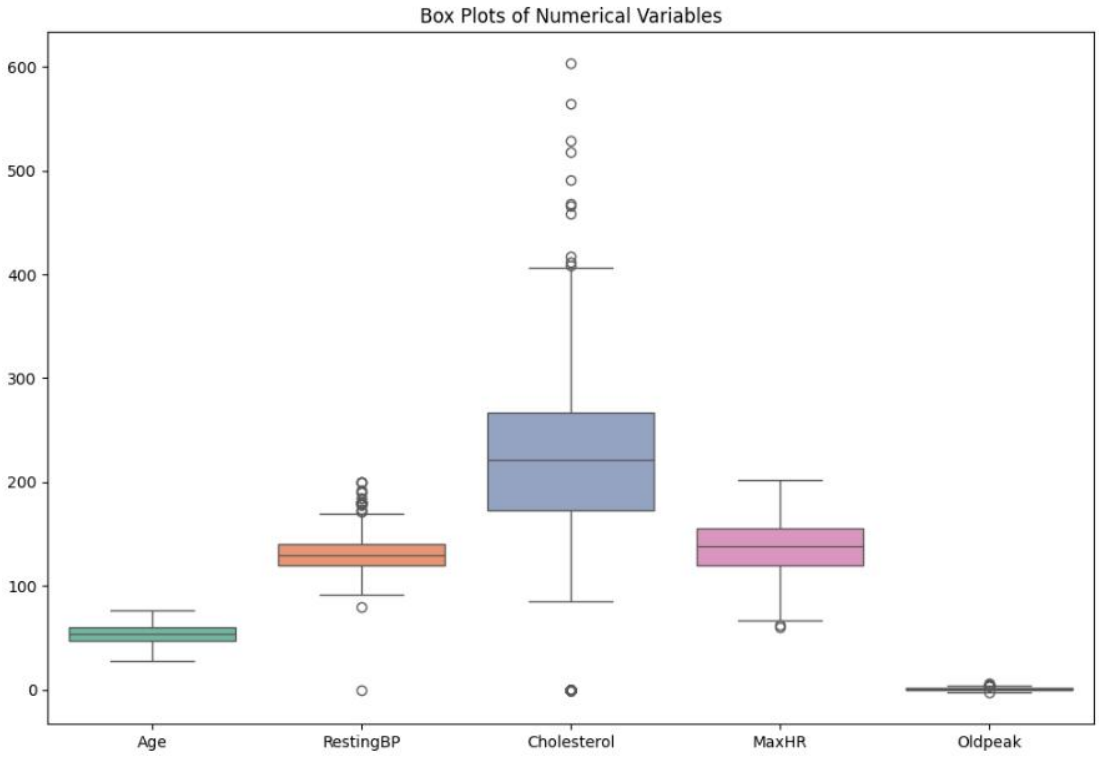

Scatter Plot: Age vs MaxHR
MaxHR
Age
200
180
160
140
120
100
80
60
30
40
50
60
70

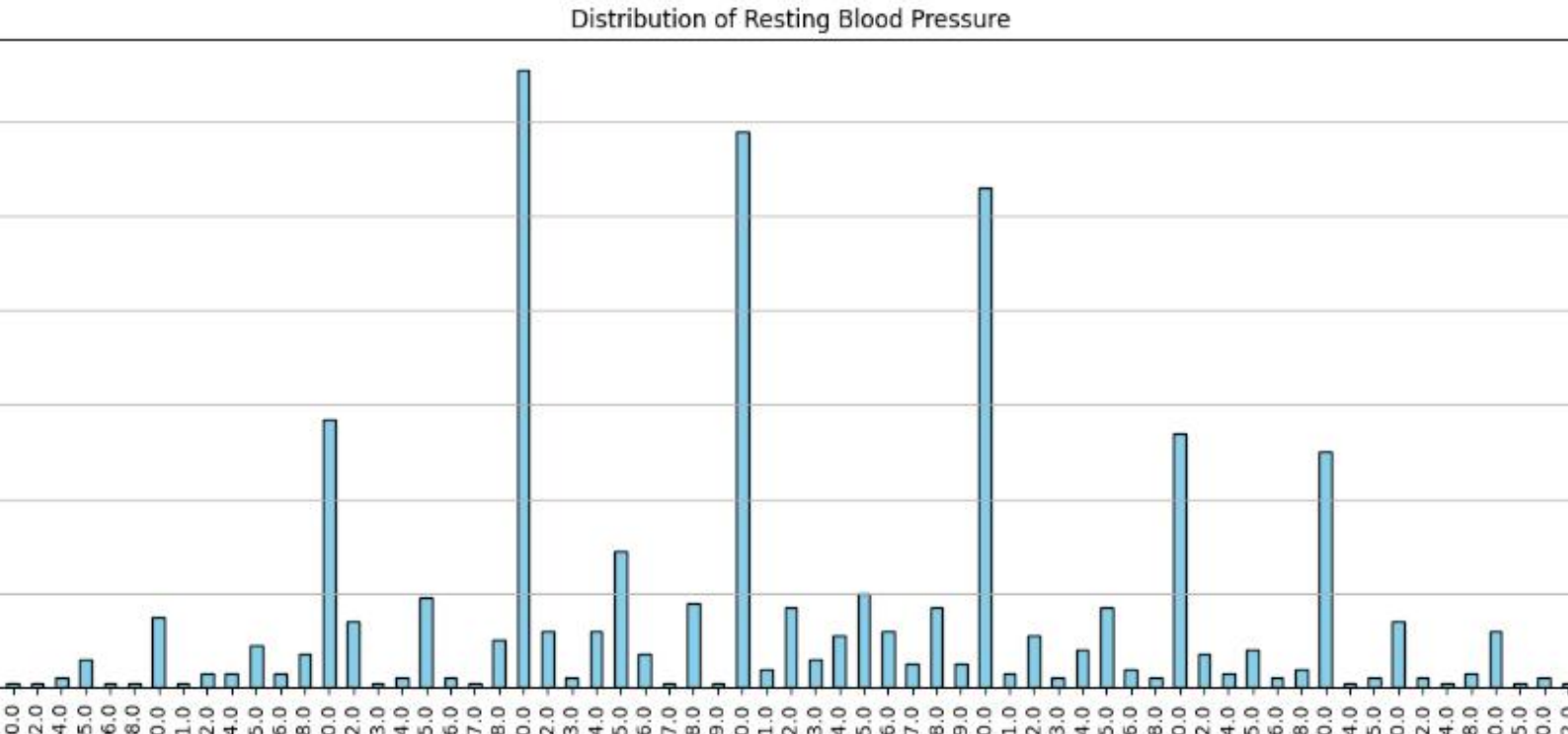

Scatter Plot: Age vs RestingBP
RestingBP
Age
200
175
150
125
100
75
50
25
0
30
40
50
60
70

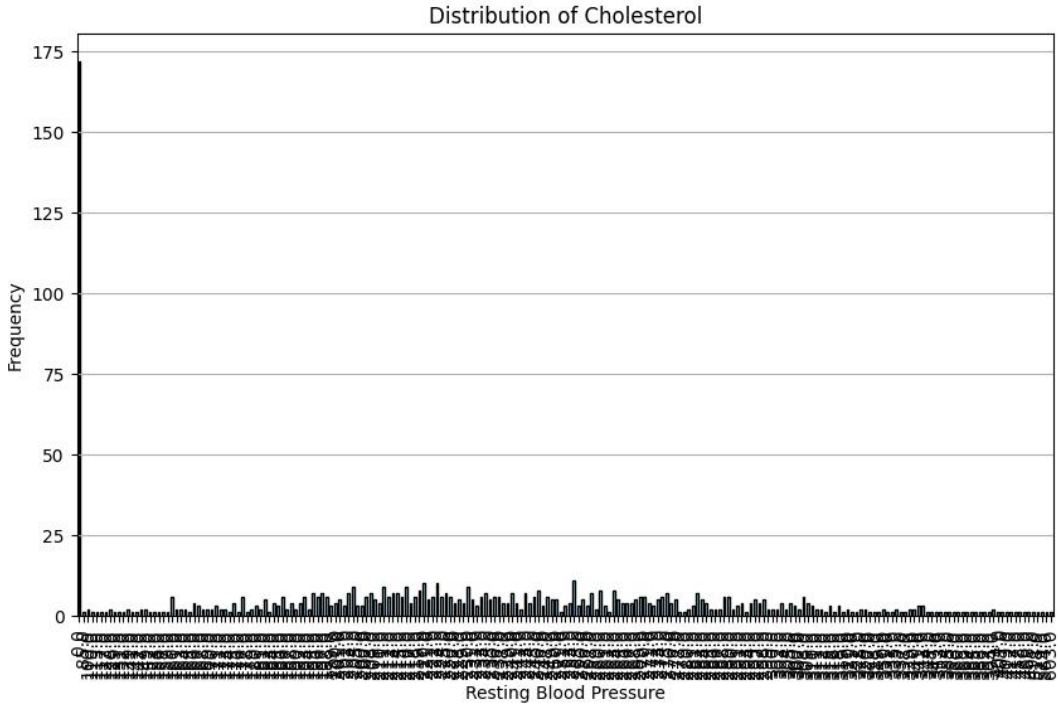

Scatter Plot: Age vs Cholesterol
Cholesterol
Age
600
500
400
300
200
100
0
30
40
50
60
70

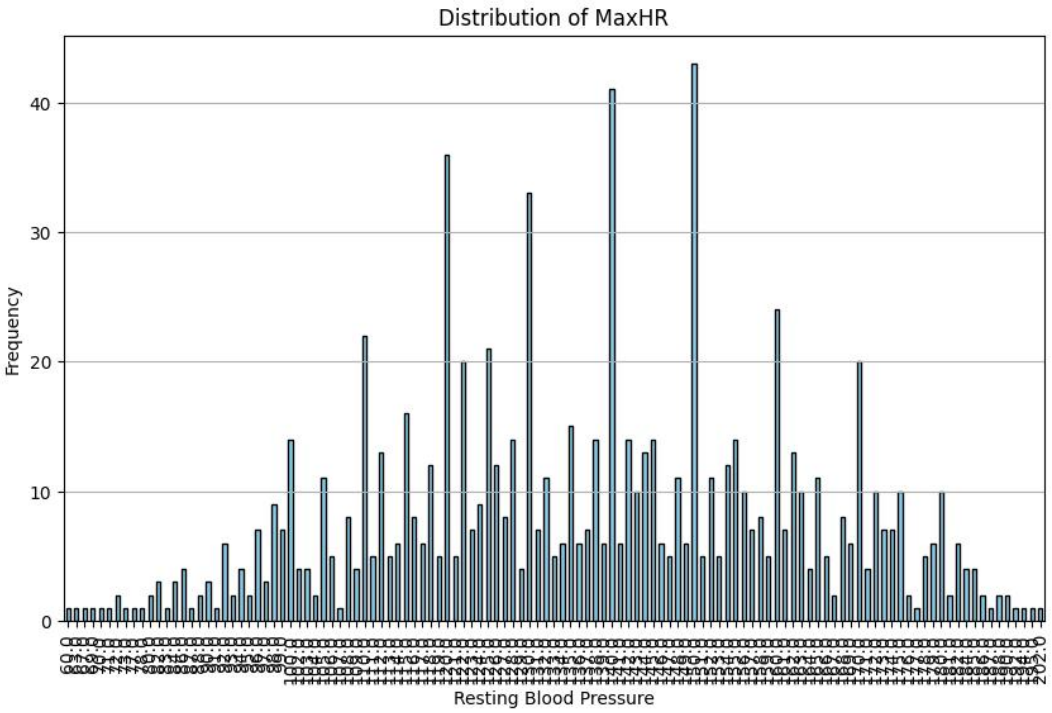

Scatter Plot: Age vs FastingBS
FastingBS
Age
1.0
0.8
0.6
0.4
0.2
0.0
30
40
50
60
70

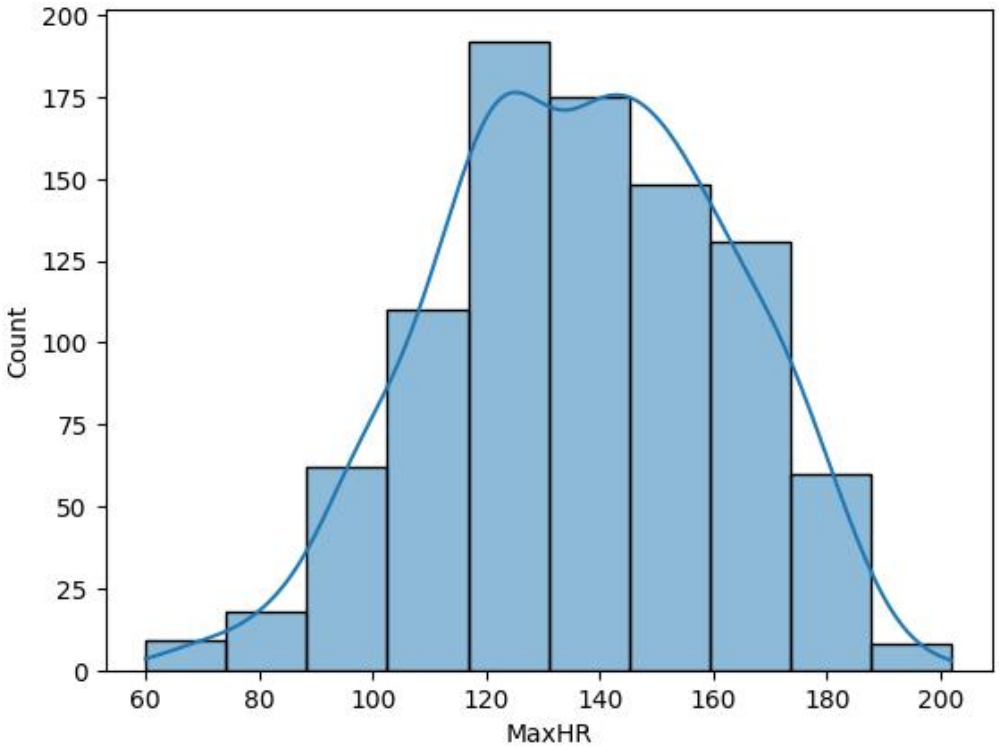

Scatter Plot: Age vs HeartDisease
HeartDisease
1.0
0.8
0.6
0.4
0.2
0.0
30
40
50
60
70
Age

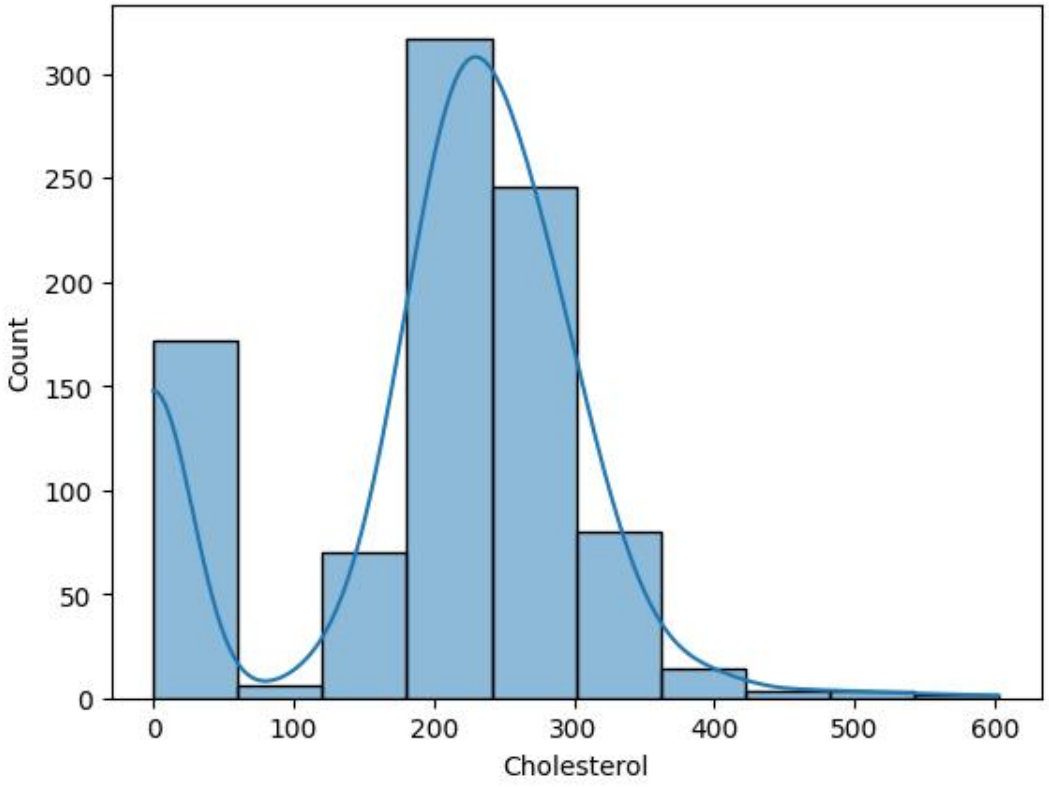

Box Plots of Numerical Variables
600
500
400
300
200
100
0
Age
RestingBP
Cholesterol
MaxHR
Oldpeak

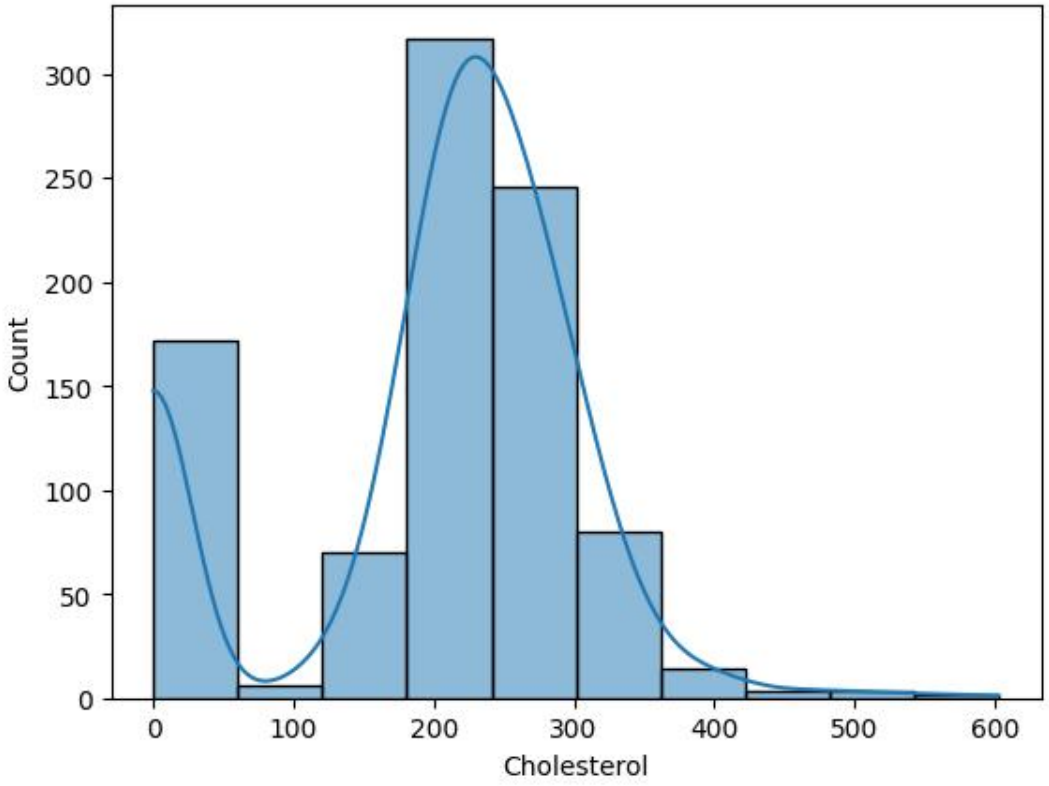
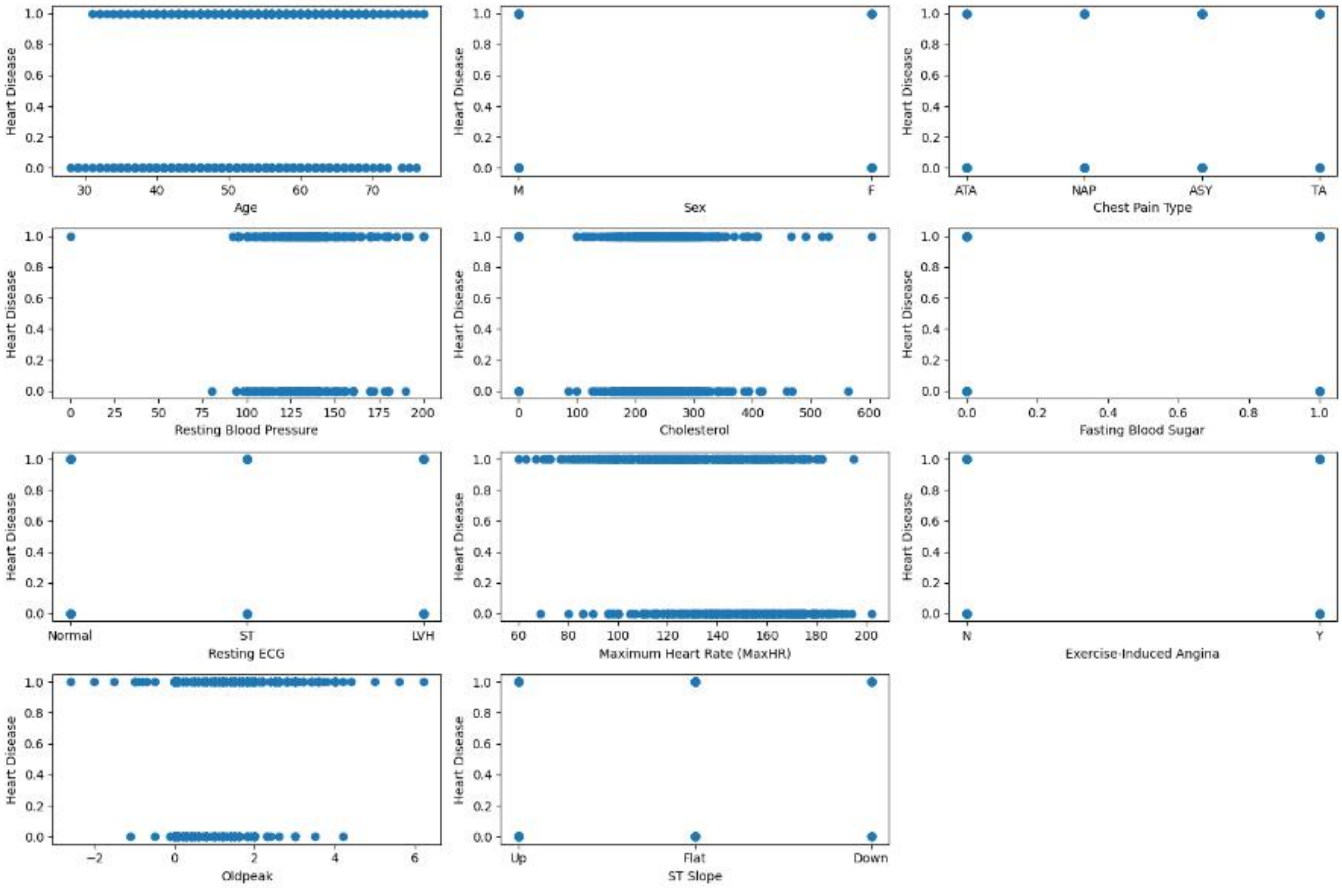

Distribution of Resting Blood Pressure
80.0
92.0
94.0
95.0
96.0
98.0
100.0
101.0
102.0
104.0
105.0
106.0
108.0
110.0
112.0
113.0
114.0
115.0
116.0
117.0
118.0
120.0
122.0
123.0
124.0
125.0
126.0
127.0
128.0
129.0
130.0
131.0
132.0
133.0
134.0
135.0
136.0
137.0
138.0
139.0
140.0
141.0
142.0
143.0
144.0
145.0
146.0
148.0
150.0
152.0
154.0
155.0
156.0
158.0
160.0
164.0
165.0
170.0
172.0
174.0
178.0
180.0
185.0
190.0
Resting Blood Pressure


Distribution of Cholesterol
Frequency
175
150
125
100
75
50
25
0
Resting Blood Pressure


Distribution of MaxHR
Frequency
40
30
20
10
0
Resting Blood Pressure


Count
MaxHR
0
25
50
75
100
125
150
175
200
60
80
100
120
140
160
180
200


Count
Cholesterol
0
50
100
150
200
250
300
0
100
200
300
400
500
600


Count
300
250
200
150
100
50
0
0
100
200
300
400
500
600
Cholesterol

Feature- Target Relationship Visualization