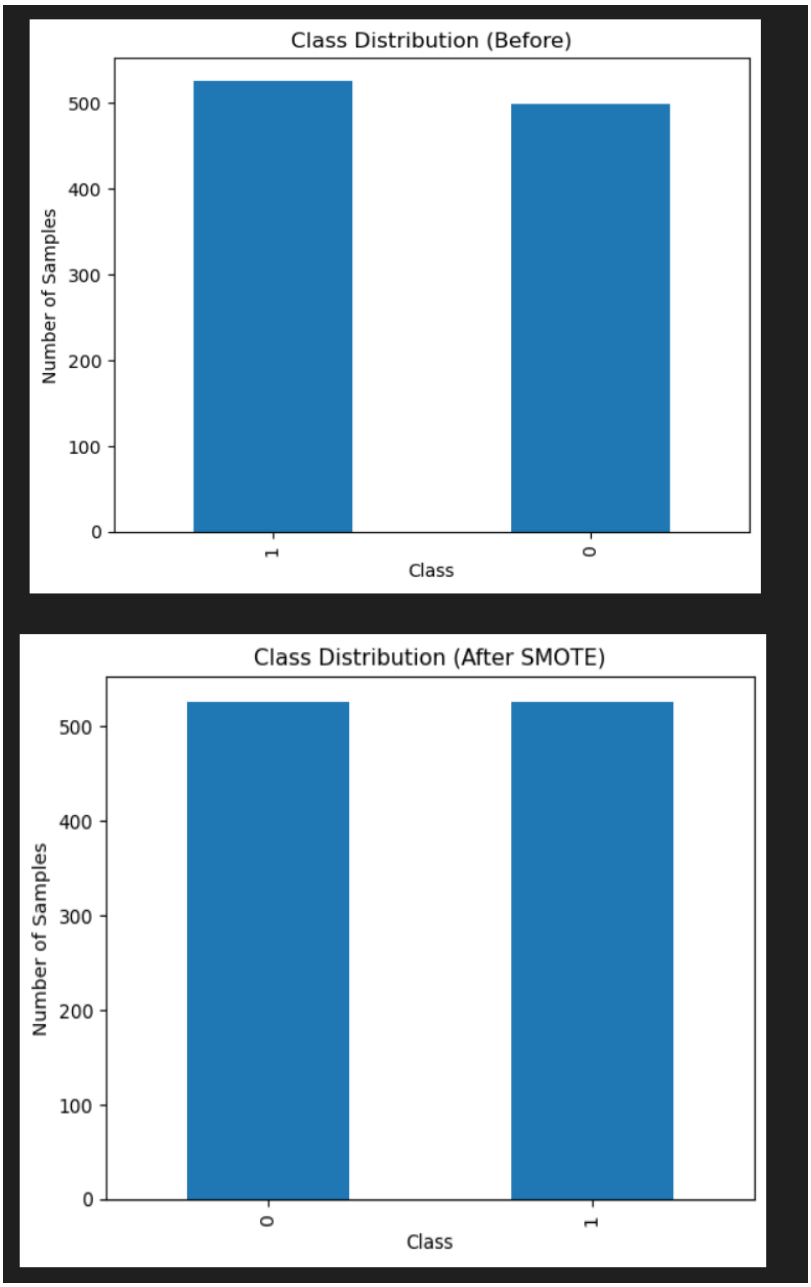
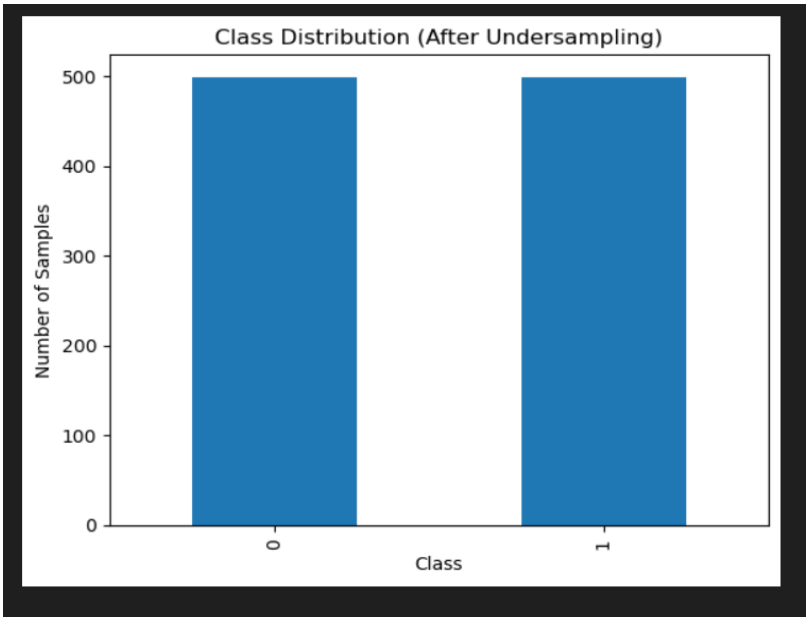
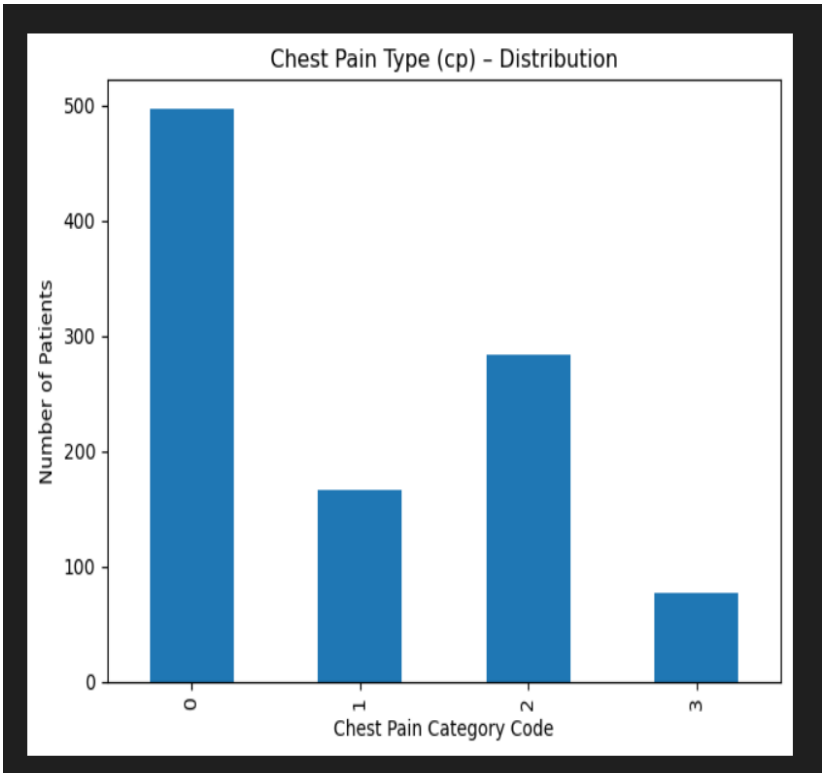
Member 1

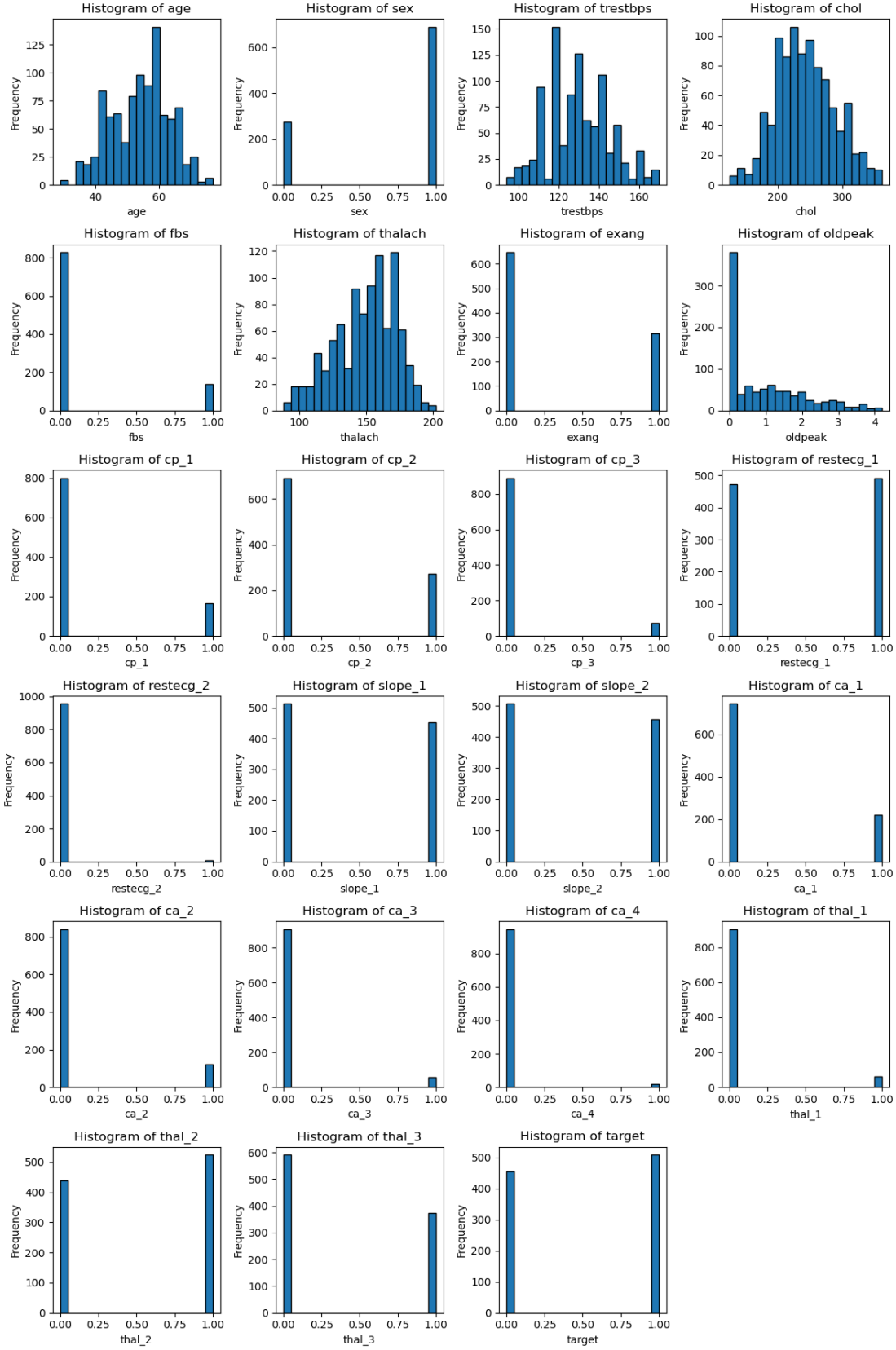

Class Distribution (Before)
Number of Samples
0
100
200
300
400
500
1
0
Class
Class Distribution (After SMOTE)
Number of Samples
0
100
200
300
400
500
0
1
Class


Class Distribution (After Undersampling)
Number of Samples
500
400
300
200
100
0
0
1
Class

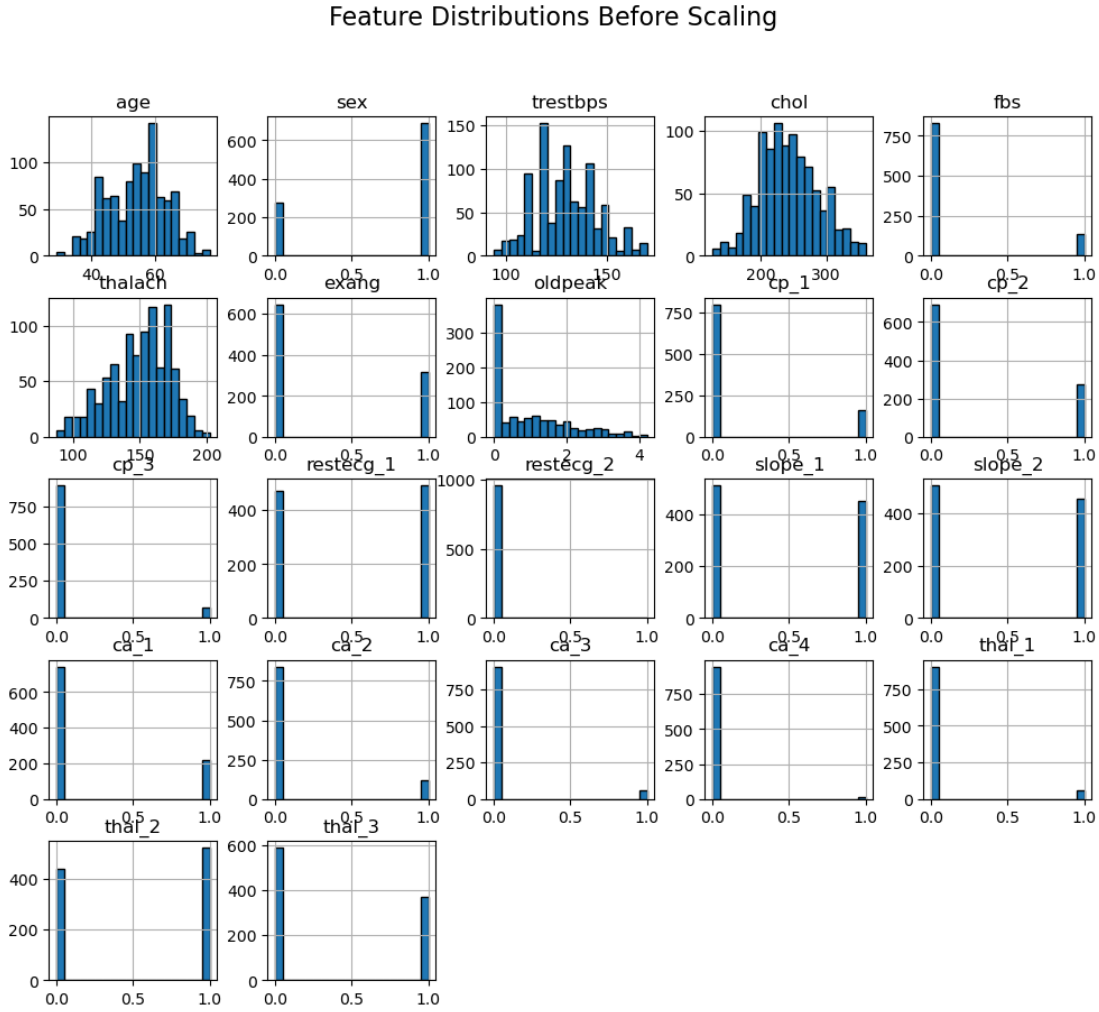
Member 2

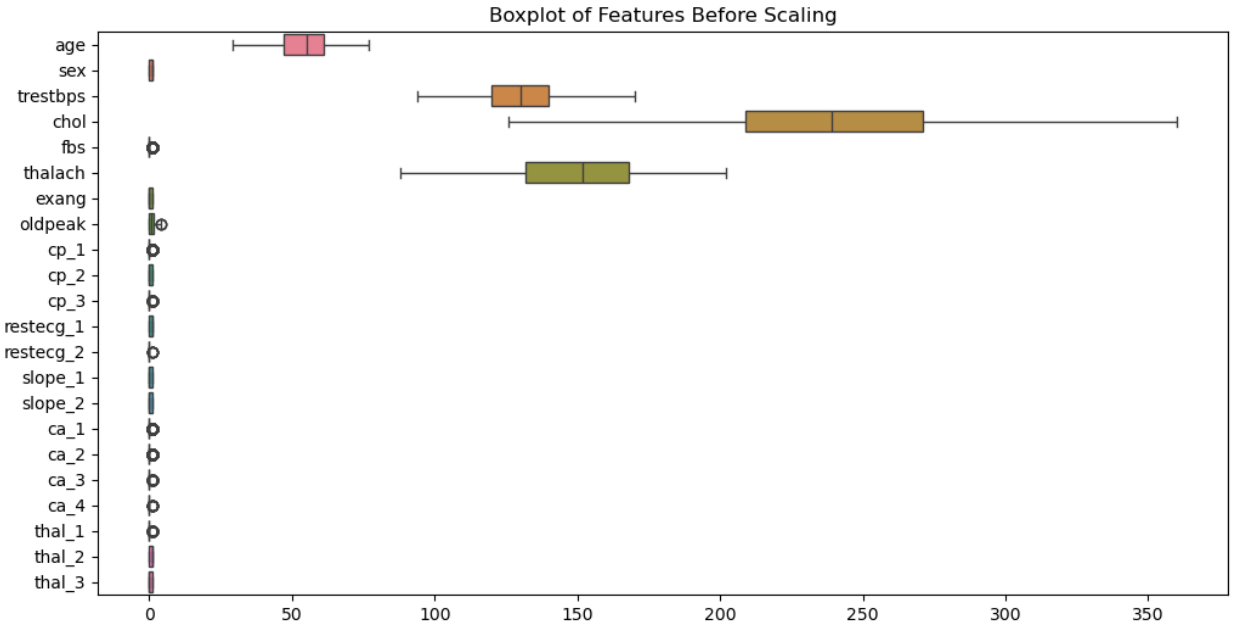

Chest Pain Type (cp) – Distribution
Number of Patients
500
400
300
200
100
0
0
1
2
3
Chest Pain Category Code

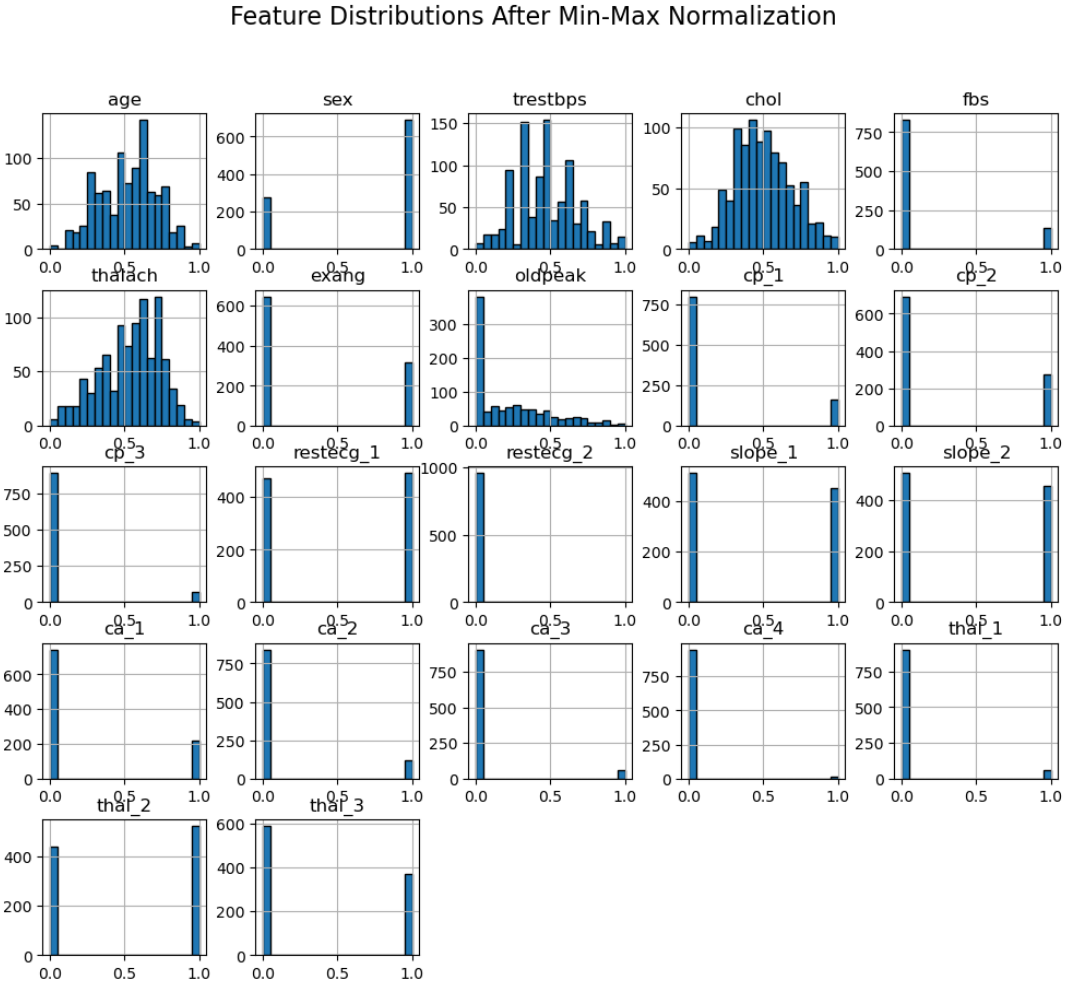
Member 3

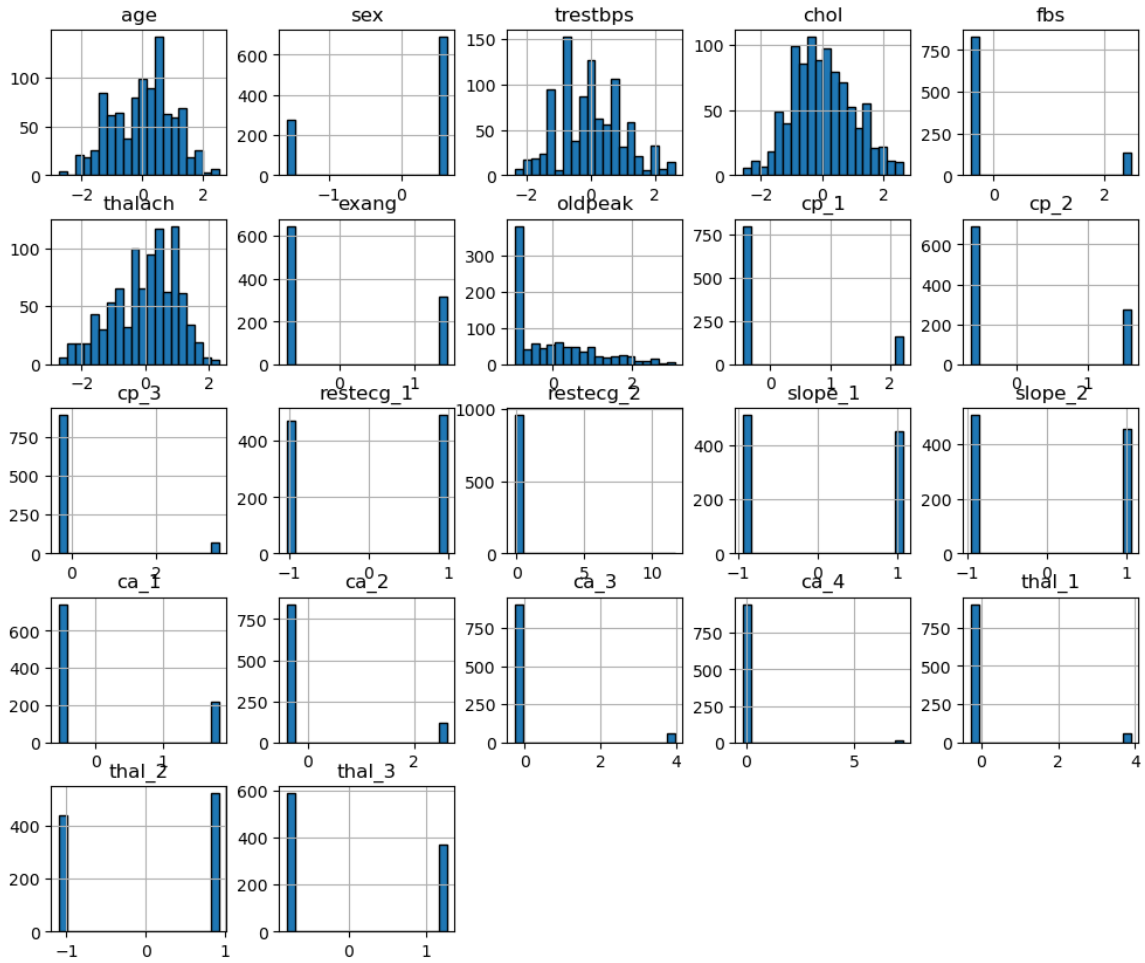

Histogram of age
Histogram of sex
Histogram of trestbps
Histogram of chol
Histogram of fbs
Histogram of thalach
Histogram of exang
Histogram of oldpeak
Histogram of cp_1
Histogram of cp_2
Histogram of cp_3
Histogram of restecg_1
Histogram of restecg_2
Histogram of slope_1
Histogram of slope_2
Histogram of ca_1
Histogram of ca_2
Histogram of ca_3
Histogram of ca_4
Histogram of thal_1
Histogram of thal_2
Histogram of thal_3
Histogram of target
Frequency
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3
target

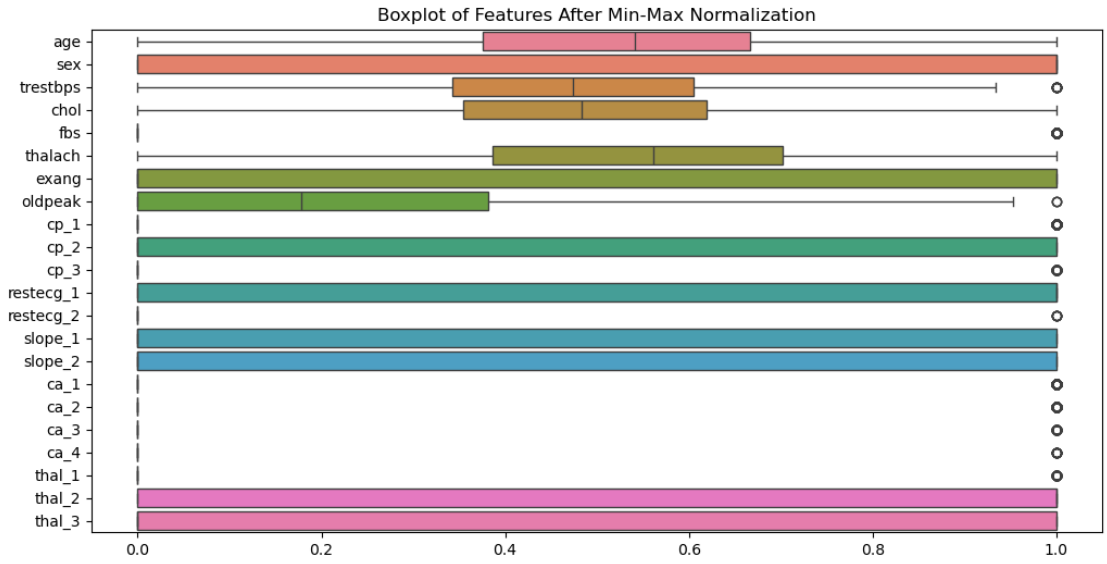
Member 4

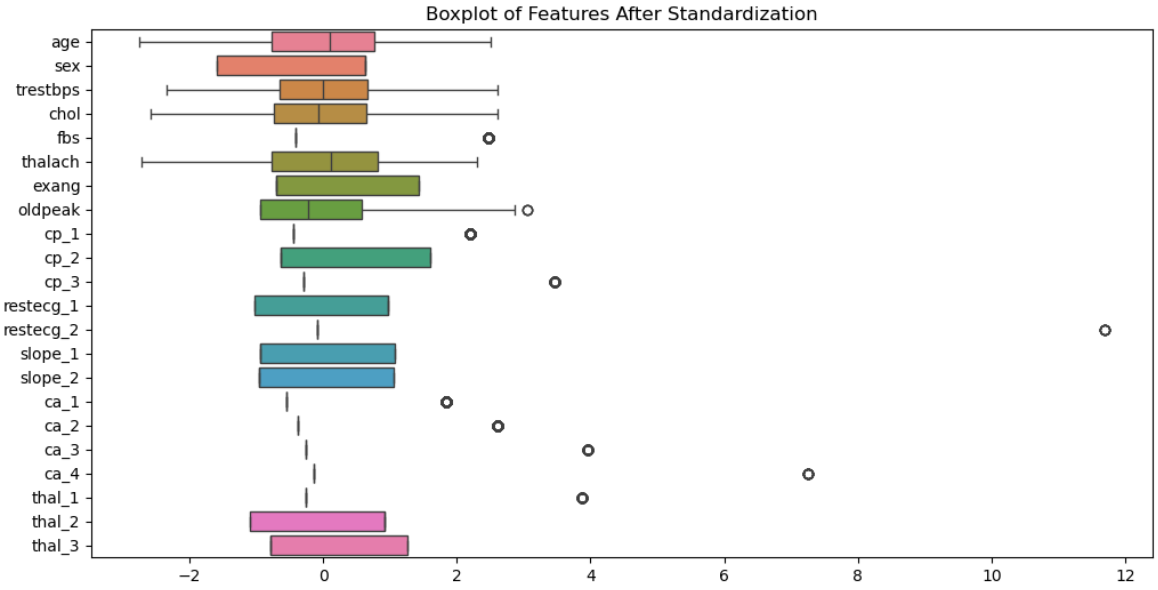

Feature Distributions Before Scaling
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3


Boxplot of Features Before Scaling
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3
0
50
100
150
200
250
300
350

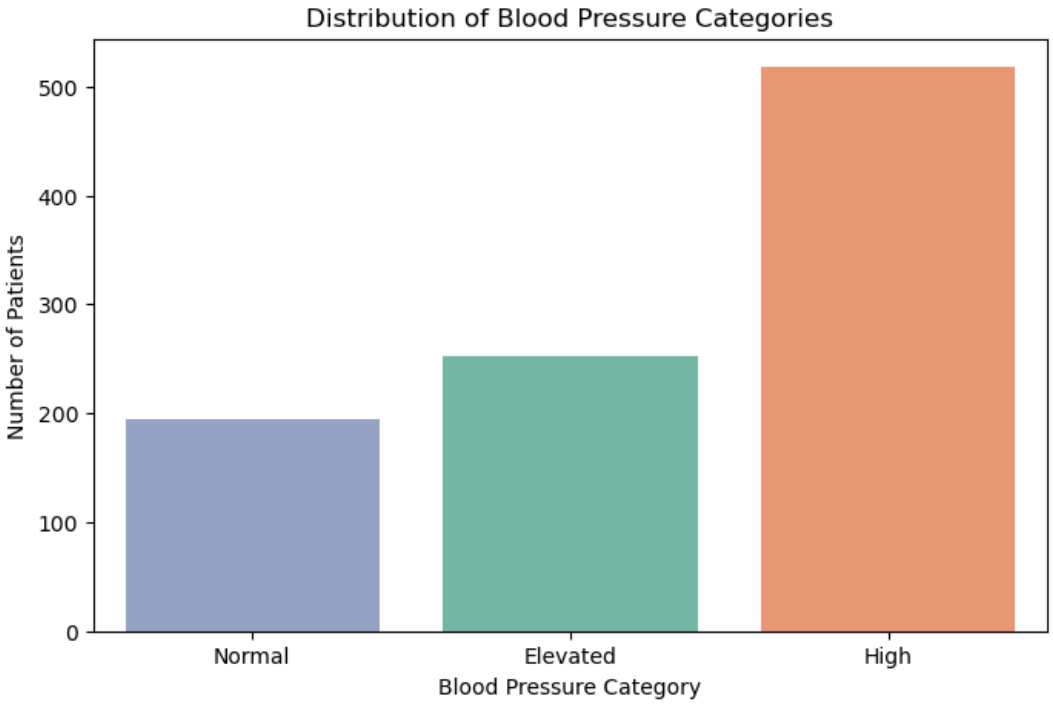

Feature Distributions After Min-Max Normalization
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3


Feature Distributions After Standardization
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3

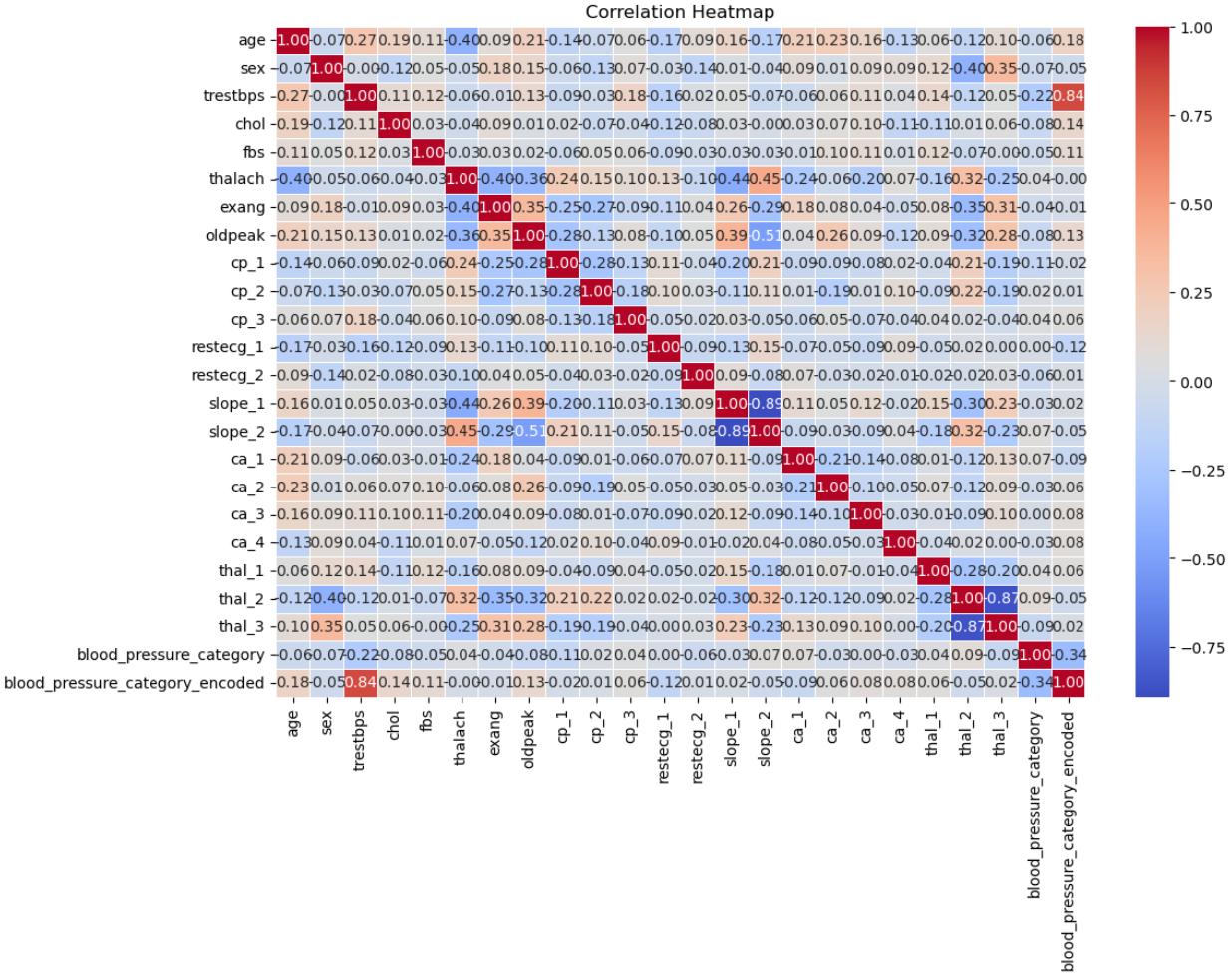

Boxplot of Features After Min-Max Normalization
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3
0.0
0.2
0.4
0.6
0.8
1.0


Boxplot of Features After Standardization
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3
−2
0
2
4
6
8
10
12

Member 5


Distribution of Blood Pressure Categories
Number of Patients
0
100
200
300
400
500
Normal
Elevated
High
Blood Pressure Category

Member 6


Correlation Heatmap
age
sex
trestbps
chol
fbs
thalach
exang
oldpeak
cp_1
cp_2
cp_3
restecg_1
restecg_2
slope_1
slope_2
ca_1
ca_2
ca_3
ca_4
thal_1
thal_2
thal_3
blood_pressure_category
blood_pressure_category_encoded
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75