

Model Performance Report: LogisticRegression

Model: LogisticRegression

Accuracy: 0.7989

Classification Report:

	precision	recall	f1-score	support
0	0.82	0.85	0.83	105
1	0.77	0.73	0.75	74
accuracy			0.80	179
macro avg	0.79	0.79	0.79	179
weighted avg	0.80	0.80	0.80	179

Confusion Matrix:  
[[89 16]  
[20 54]]

Model Performance Report: RidgeClassifier

Model: RidgeClassifier

Accuracy: 0.7877

Classification Report:

	precision	recall	f1-score	support
0	0.81	0.84	0.82	105
1	0.76	0.72	0.74	74
accuracy			0.79	179
macro avg	0.78	0.78	0.78	179
weighted avg	0.79	0.79	0.79	179

Confusion Matrix:

[[88 17]  
[21 53]]

Model Performance Report: Random Forest

Model: Random Forest

Accuracy: 0.7933

Classification Report:					
	precision	recall	f1-score	support	
0	0.80	0.86	0.83	105	
1	0.78	0.70	0.74	74	
accuracy			0.79	179	
macro avg	0.79	0.78	0.78	179	
weighted avg	0.79	0.79	0.79	179	

Confusion Matrix:  
[[90 15]  
[22 52]]

Model Performance Report: decision tree

Model: decision tree

Accuracy: 0.8156

Classification Report:

	precision	recall	f1-score	support
0	0.85	0.83	0.84	105
1	0.77	0.80	0.78	74
accuracy			0.82	179
macro avg	0.81	0.81	0.81	179
weighted avg	0.82	0.82	0.82	179

Confusion Matrix:

[[87 18]  
[15 59]]

Model Performance Report: Gradient Boosting

Model: Gradient Boosting

Accuracy: 0.7877

Classification Report:

	precision	recall	f1-score	support
0	0.79	0.88	0.83	105
1	0.79	0.66	0.72	74
accuracy			0.79	179
macro avg	0.79	0.77	0.77	179
weighted avg	0.79	0.79	0.78	179

Confusion Matrix:  
[[92 13]  
[25 49]]

Model Performance Report: AdaBoost

Model: AdaBoost

Accuracy: 0.7989

Classification Report:

	precision	recall	f1-score	support
0	0.81	0.87	0.83	105
1	0.79	0.70	0.74	74
accuracy			0.80	179
macro avg	0.80	0.78	0.79	179
weighted avg	0.80	0.80	0.80	179

Confusion Matrix:  
[[91 14]  
[22 52]]