

Making predictions with SVM...

SVM Test Accuracy: 0.871

SVM Test Classification Report:

	precision	recall	f1-score	support
0	0.89	0.85	0.87	500
1	0.86	0.89	0.87	500
accuracy			0.87	1000
macro avg	0.87	0.87	0.87	1000
weighted avg	0.87	0.87	0.87	1000

Making predictions with Decision Tree...

Decision Tree Test Accuracy: 0.847

Decision Tree Test Classification Report:

	precision	recall	f1-score	support
0	0.86	0.83	0.84	500
1	0.84	0.86	0.85	500
accuracy			0.85	1000
macro avg	0.85	0.85	0.85	1000
weighted avg	0.85	0.85	0.85	1000

Making predictions with Random Forest...

Random Forest Test Accuracy: 0.885

Random Forest Test Classification Report:

	precision	recall	f1-score	support
0	0.90	0.87	0.88	500
1	0.88	0.90	0.89	500
accuracy			0.89	1000
macro avg	0.89	0.89	0.88	1000
weighted avg	0.89	0.89	0.88	1000

Making predictions with Naive Bayes...

Naive Bayes Test Accuracy: 0.793

Naive Bayes Test Classification Report:

	precision	recall	f1-score	support
0	0.72	0.95	0.82	500
1	0.93	0.64	0.75	500
accuracy			0.79	1000
macro avg	0.83	0.79	0.79	1000
weighted avg	0.83	0.79	0.79	1000

Test Set Metrics Comparison:

SVM Test Accuracy: 0.871

Decision Tree Test Accuracy: 0.847

Random Forest Test Accuracy: 0.885

Naive Bayes Test Accuracy: 0.793



