

Binary Classification Model Results

[1] Report (K-Neighbors Classifier):
CV Scores:

[85.67 85.98 86.99 85.98 89.19]

Train score:

91.89 %

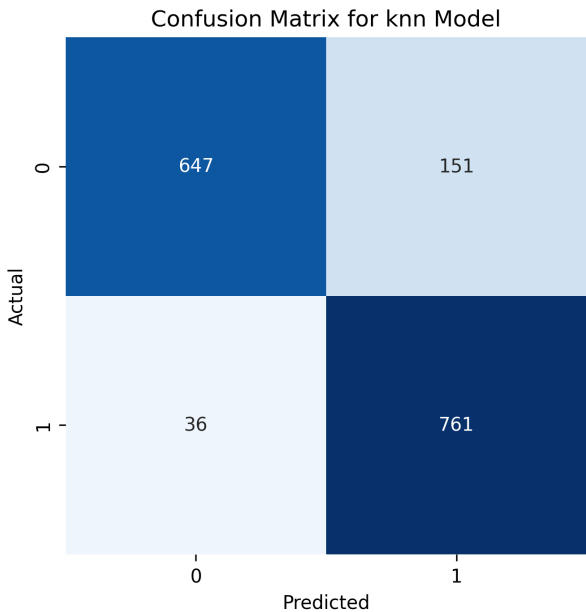
Test score:

88.28 %

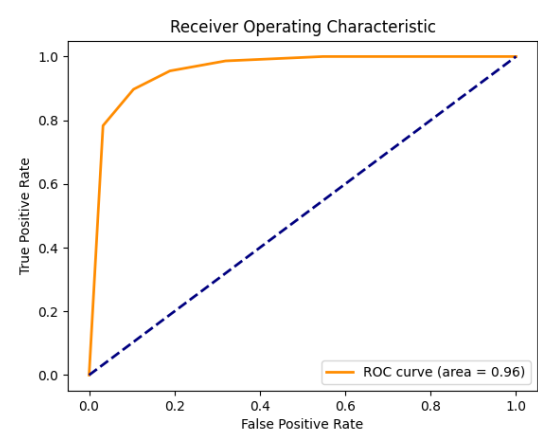
Classification result:

	precision	recall	f1-score	support
0	0.95	0.81	0.87	798
1	0.83	0.95	0.89	797
accuracy			0.88	1595
macro avg	0.89	0.88	0.88	1595
weighted avg	0.89	0.88	0.88	1595

Confusion Matrix:



ROC Curve:



[2] Report (Decision Tree Classifier):
CV Scores:

[89.04 90.71 92.4 91.55 90.88]

Train score:

100.00 %

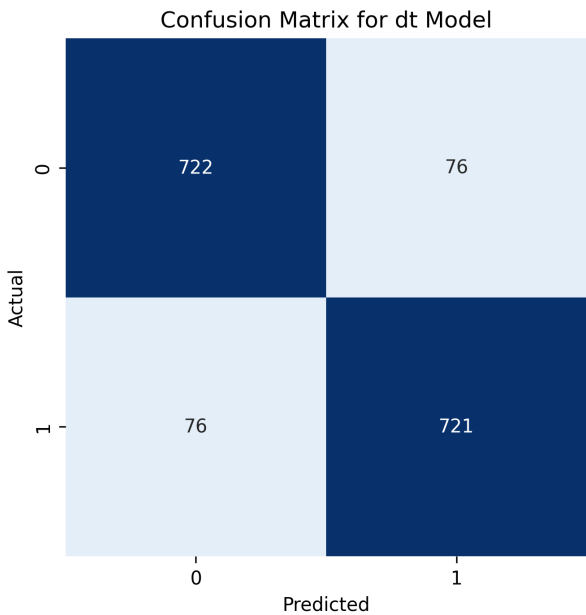
Test score:

90.47 %

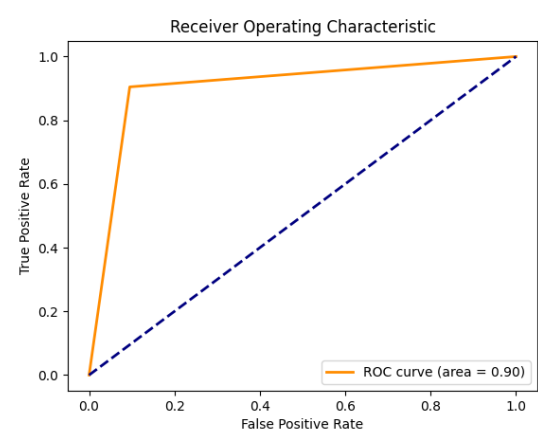
Classification result:

	precision	recall	f1-score	support
0	0.90	0.90	0.90	798
1	0.90	0.90	0.90	797
accuracy		0.90		1595
macro avg	0.90	0.90	0.90	1595
weighted avg	0.90	0.90	0.90	1595

Confusion Matrix:



ROC Curve:



[3] Report (Random Forest Classifier):
CV Scores:

[91.91 92.4 95.27 92.91 95.1]

Train score:

100.00 %

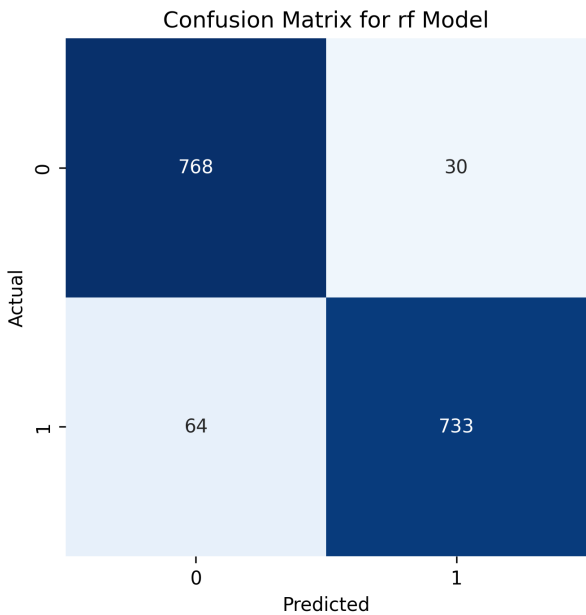
Test score:

94.11 %

Classification result:

	precision	recall	f1-score	support
0	0.92	0.96	0.94	798
1	0.96	0.92	0.94	797
accuracy		0.94		1595
macro avg	0.94	0.94	0.94	1595
weighted avg	0.94	0.94	0.94	1595

Confusion Matrix:



ROC Curve:

