

Model Performance Report

Logistic Regression:

	precision	recall	f1-score	support
False	0.46	0.44	0.45	75
True	0.57	0.59	0.58	95
accuracy			0.52	170
macro avg	0.51	0.51	0.51	170
weighted avg	0.52	0.52	0.52	170

Random Forest:

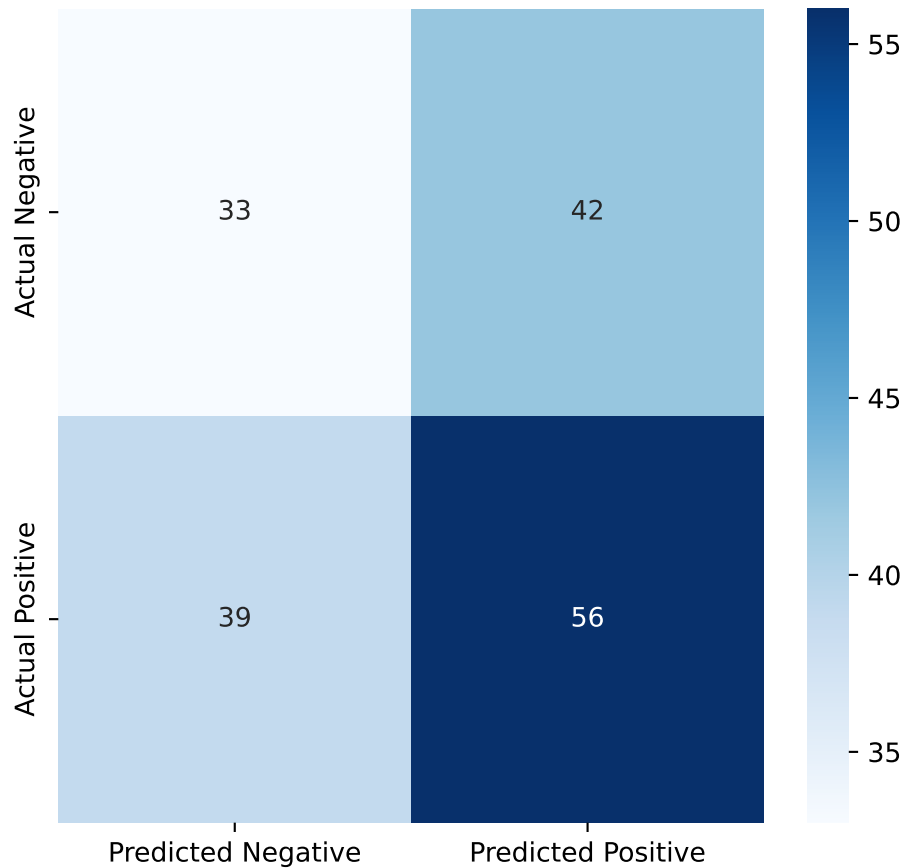
	precision	recall	f1-score	support
False	0.45	0.47	0.46	75
True	0.57	0.55	0.56	95
accuracy			0.51	170
macro avg	0.51	0.51	0.51	170
weighted avg	0.51	0.51	0.51	170

SVC:

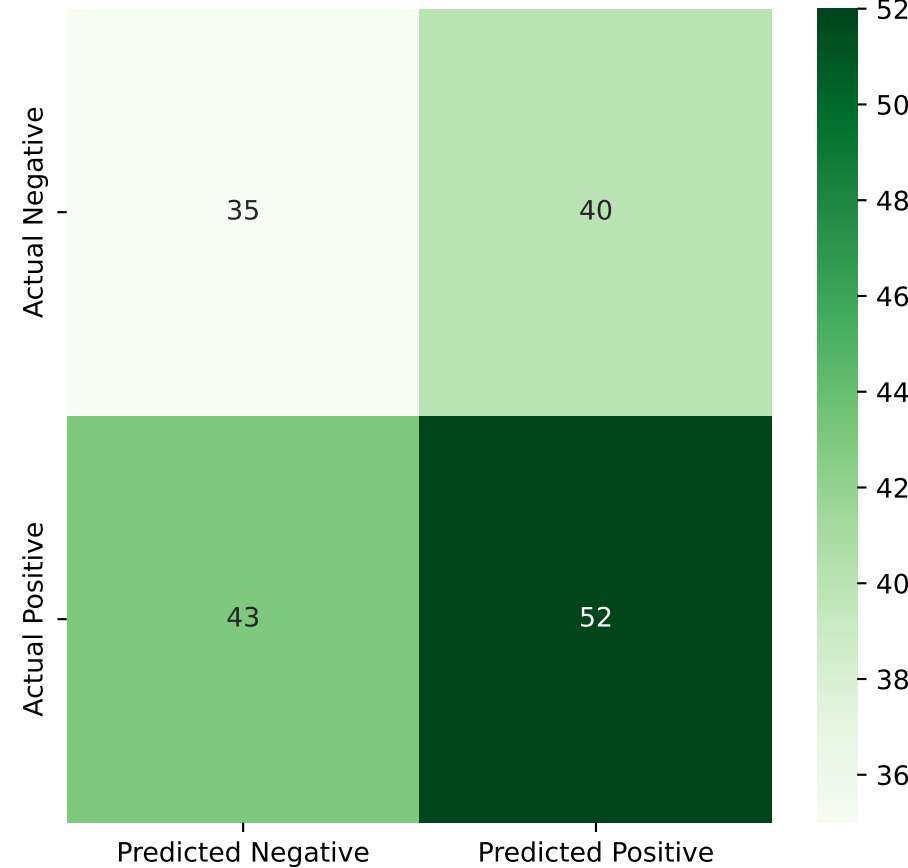
	precision	recall	f1-score	support
False	0.46	0.52	0.49	75
True	0.58	0.53	0.55	95
accuracy			0.52	170
macro avg	0.52	0.52	0.52	170
weighted avg	0.53	0.52	0.53	170

	Training Accuracy	Validation Accuracy	Test Accuracy
Logistic Regression	0.5927280783018489	0.5386606664523732	0.5235294117647059
Random Forest	0.8614014312374968	0.5098403514411229	0.5117647058823529
SVC	0.6790625797183175	0.4934340512161148	0.5235294117647059

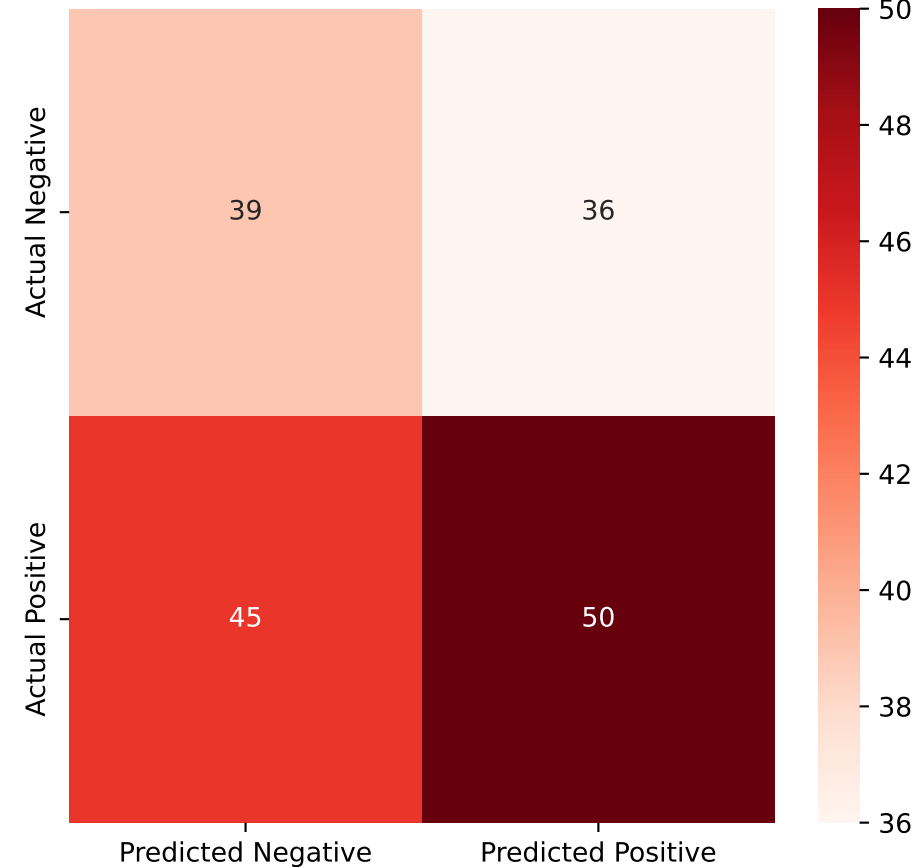
Confusion Matrix - Logistic Regression



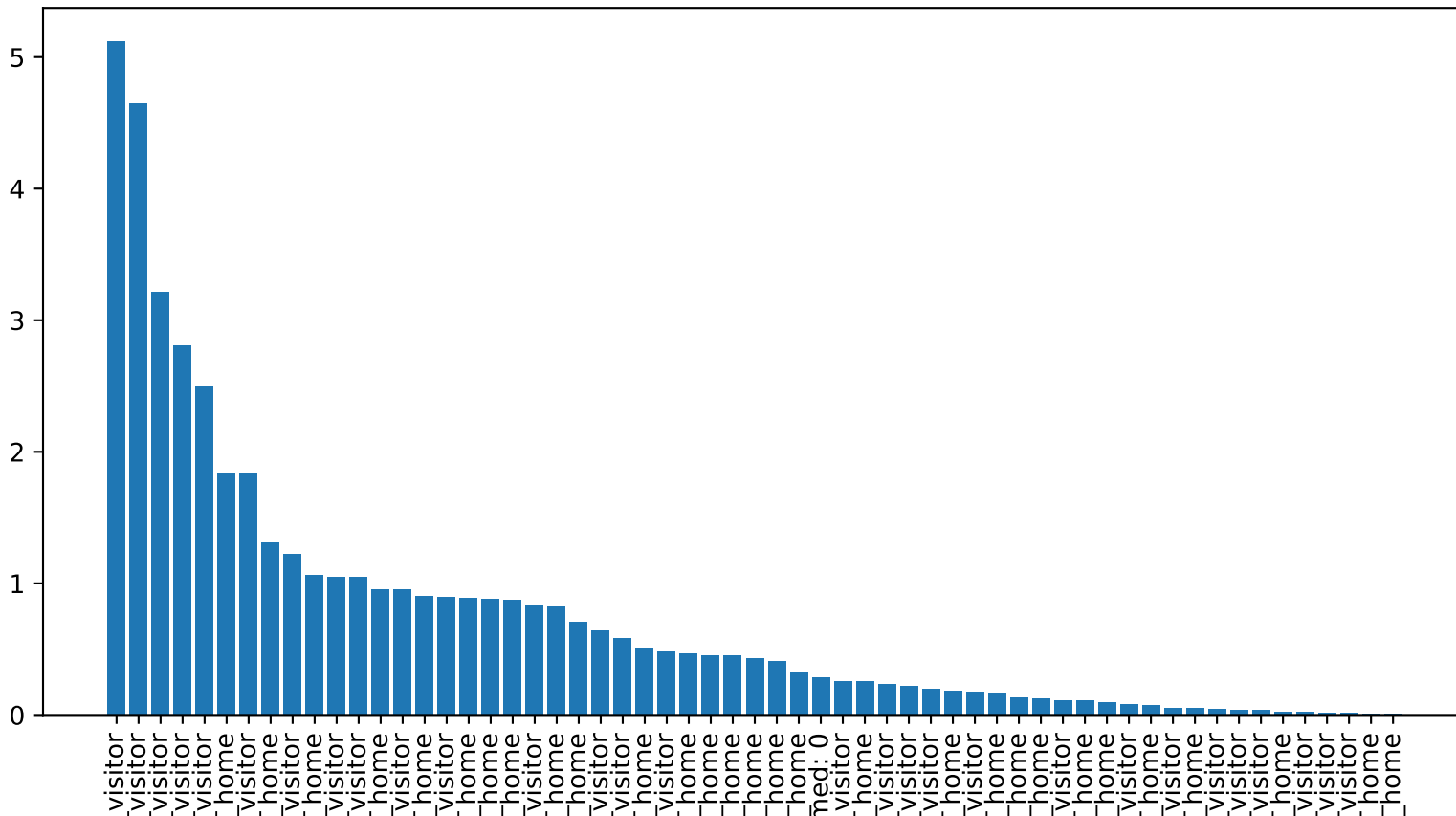
Confusion Matrix - Random Forest



Confusion Matrix - SVC



Feature Importance - Logistic Regression



Feature Importance - Random Forest

