Model Performance Report

Logistic Regression:

	precision	recall	f1-score	support
False	0.41	0.32	0.36	75
True	0.54	0.64	0.59	95
accuracy			0.50	170
macro avg	0.48	0.48	0.48	170
weighted avg	0.49	0.50	0.49	170

Random Forest:

	precision	recall	f1-score	support
False	0.43	0.37	0.40	75
True	0.55	0.61	0.58	95
accuracy			0.51	170
macro avg	0.49	0.49	0.49	170
weighted avg	0.50	0.51	0.50	170

SVC:

	precision	recall	f1-score	support
False	0.48	0.56	0.52	75
True	0.60	0.52	0.55	95
accuracy			0.54	170
macro avg	0.54	0.54	0.53	170
weighted avg	0.54	0.54	0.54	170

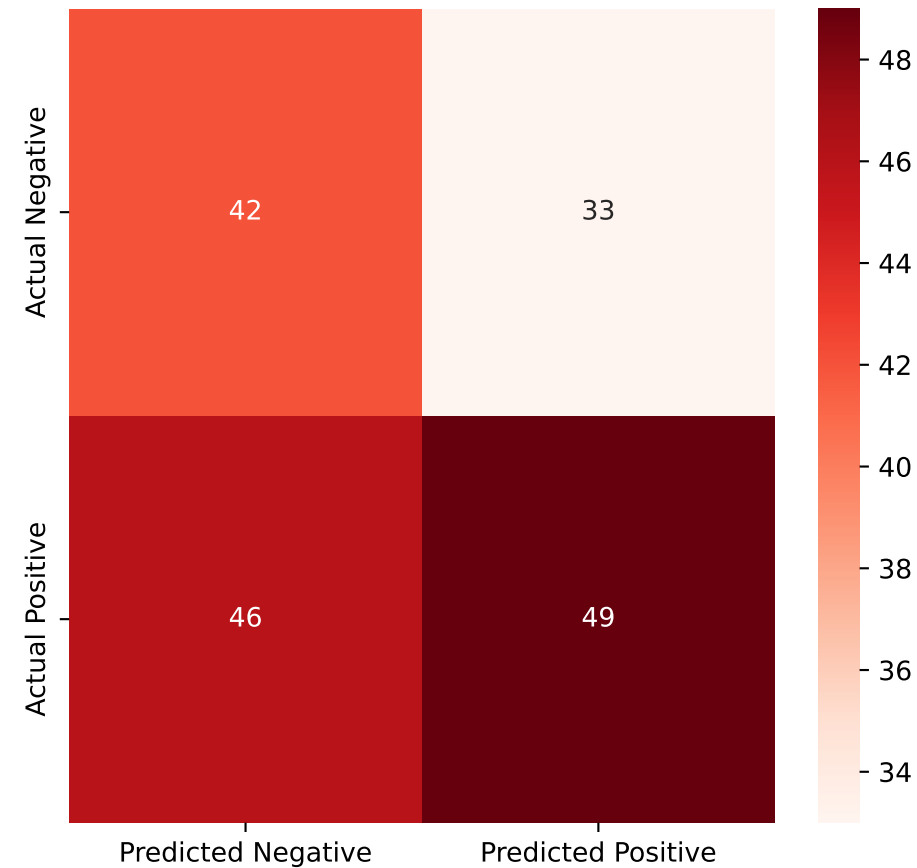|	Training Accuracy	Validation Accuracy	Test Accuracy
Logistic Regression	0.5588145970113183	0.5334190506803814	0.5
Random Forest	0.9182494864462077	0.5045837351333976	0.5058823529411764
SVC	0.6222145245096066	0.5052351869709633	0.5352941176470588

Confusion Matrix - Logistic Regression

	Predicted Negative	Predicted Positive
Actual Negative	24	51
Actual Positive	34	61
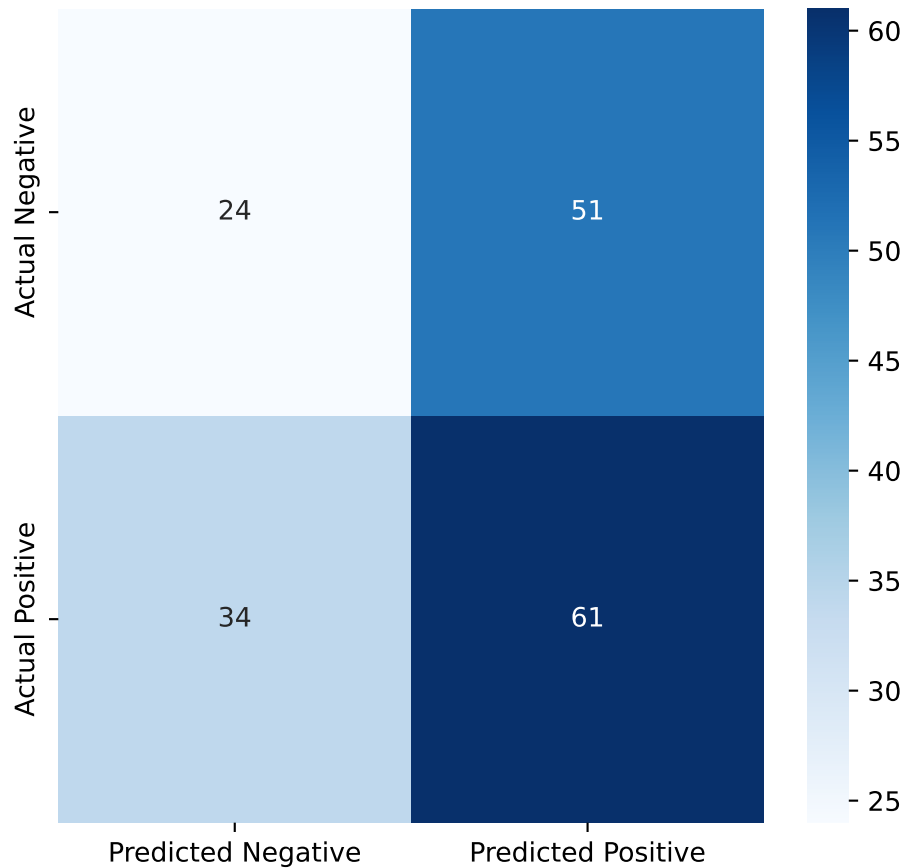
Confusion Matrix - Random Forest

	Predicted Negative	Predicted Positive
Actual Negative	28	47
Actual Positive	37	58

Confusion Matrix - SVC

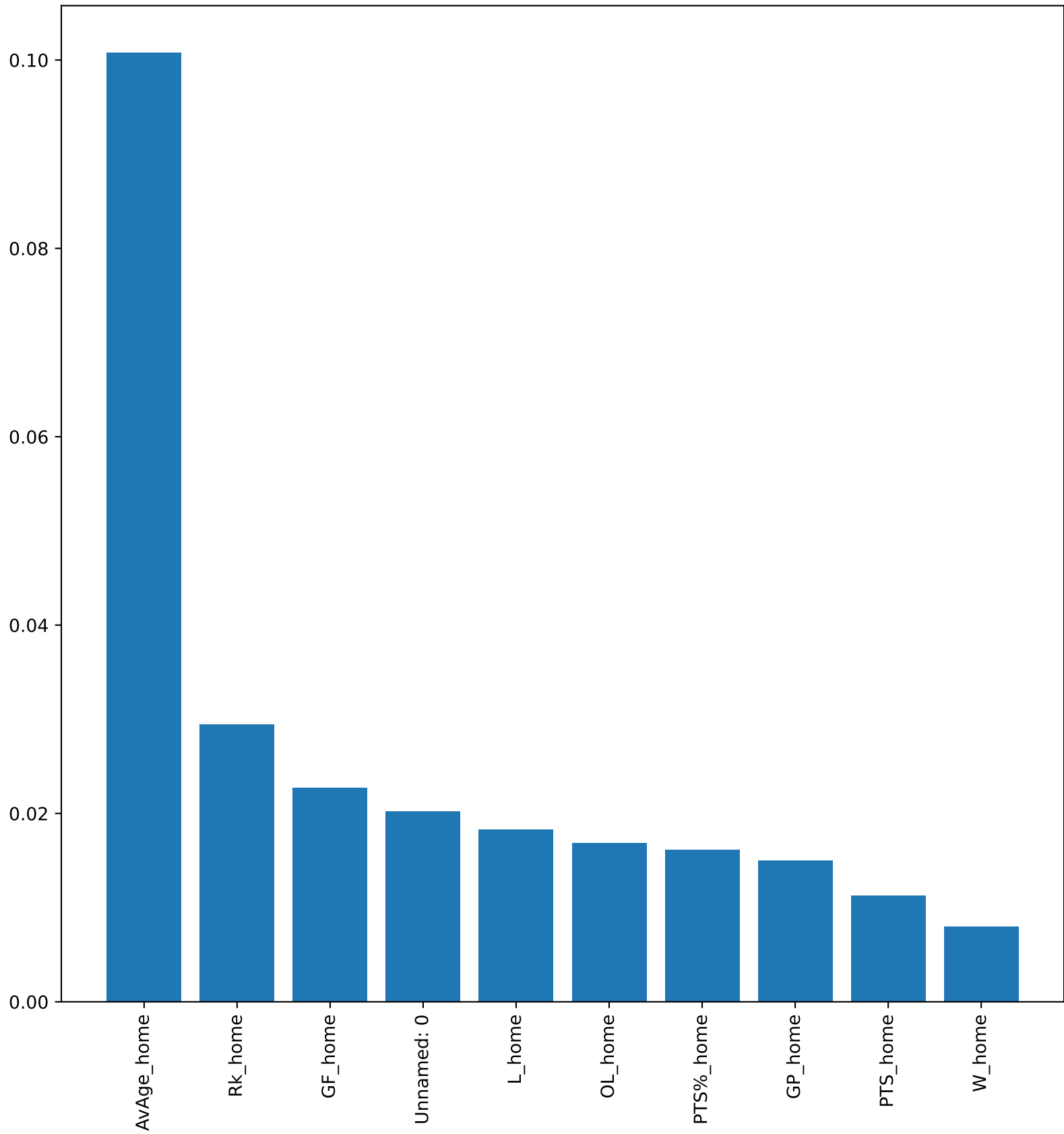|	Predicted Negative	Predicted Positive
Actual Negative	42	33
Actual Positive	46	49
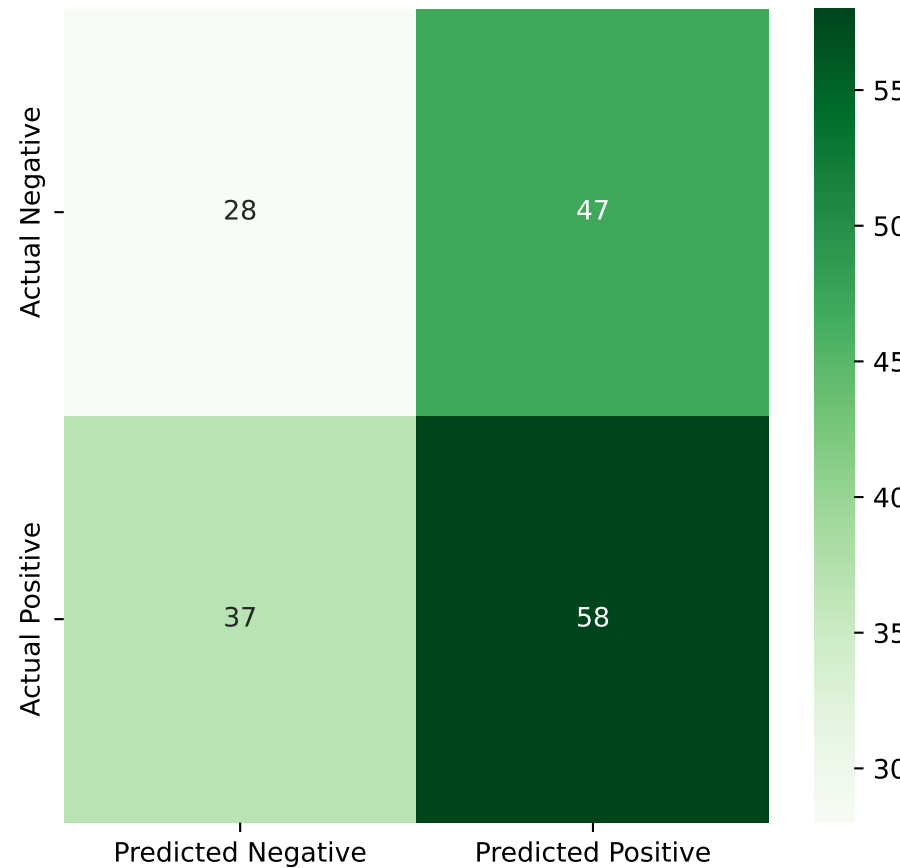
Feature Importance - Logistic Regression

Feature Importance - Random Forest