Model Performance Report

Logistic Regr	ession:			
Logistic Negr	precision	recall	f1-score	support
False True	0.41 0.54	0.29 0.66	0.34 0.60	75 95
accuracy macro avg weighted avg	0.48 0.48	0.48 0.50	0.50 0.47 0.48	170 170 170
Random Forest	: precision	recall	f1-score	support
False True	0.40 0.54	0.31 0.64	0.35 0.59	75 95
accuracy macro avg weighted avg	0.47 0.48	0.47 0.49	0.49 0.47 0.48	170 170 170
SVC:	precision	recall	f1-score	support
False True	0.45 0.56	0.25 0.76	0.32 0.65	75 95
accuracy macro avg weighted avg	0.51 0.51	0.51 0.54	0.54 0.49 0.50	170 170 170

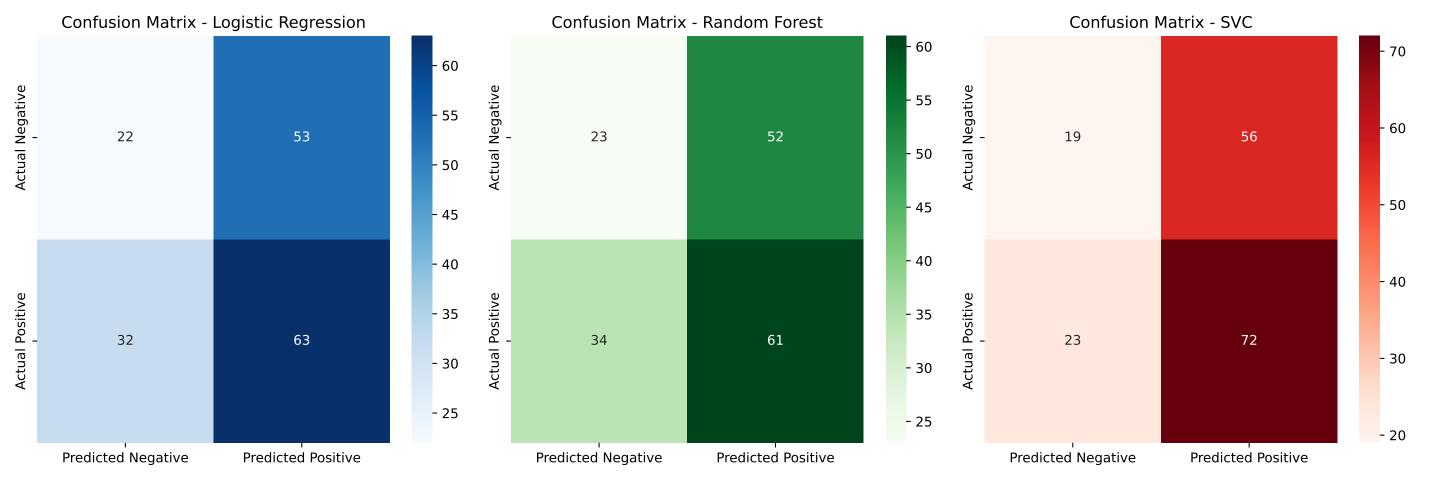
Best Hyperparameters for Each Model

Logistic Regression Best Params:
 logisticregression__C: 0.01

Random Forest Best Params:
 randomforestclassifier__max_depth: 5
 randomforestclassifier__n_estimators: 5

SVC Best Params:
 calibratedclassifiercv__estimator__C: 0.1
 calibratedclassifiercv__estimator__kernel: rbf

	Training Accuracy	Validation Accuracy	Test Accuracy
Logistic Regression	0.5596335978303192	0.5347283831565413	0.5
Random Forest	0.7778505927686256	0.5032722597235615	0.49411764705882355
SVC	0.5584828345484083	0.5294867673845494	0.5352941176470588



Feature Importance - Logistic Regression 0.10 -0.08 0.06 0.04 0.02 0.00 AvAge_home -PTS%_home -Rk_home -GA_home -W_home -PTS_home -OL_home -GF_home -

Feature Importance - Random Forest

