

Support Vector Classifier Model Metrics

Stages	Accuracy	Precision**	Recall**	F1 Score**
Research Paper (https://ieeexplore-ieee-org.myaccess.library.utoronto.ca/document/9033784)	76.5	65.1	93.1	76.6
Research Paper (https://ieeexplore-ieee-org.myaccess.library.utoronto.ca/document/9362933)	85	N/A	53	51
Base Model	51.2			
Base Model with Manually Selected Categories	75.8 81.7			
Filter Method	80.68			
Scaled + Linear Kernel	82.1			
Scaled + RBF*	87.5			
Sequential forward/backward selection wrapper	88.92	89.73	86.68	88.16
Hyperparameter tuning	91	89 93	93 89	91 91
FINAL MODEL PARAMS: $C = 10$, $\text{Gamma} = 0.1$ (All else default)				

*Continued with this model onwards

**Blank values indicate no measured metrics. Two numbers indicate a measure for both classes: No attrition and attrition respectively