

Capstone 2 Heart Disease Prediction

Model Metrics

Model	Precision	Recall	Accuracy	F1
Logistic Regression	92%	79%	87%	85%
Logistic with scaled data	89%	83%	87%	86%
Decision Tree	83%	66%	77%	73%
Decision Tree with scaled data	82%	79%	82%	81%
Random Forest (max d=9, gini, 100 trees)	85%	79%	84%	82%
Random Forest CV1 (md=15, entropy, 50 trees)	85%	76%	82%	80%
Random Forest CV2 (md=20, gini, mxfeat=10, 70 trees)	88%	79%	85%	84%
K Nearest Neighbors (Scaled data) k=13	86%	83%	85%	84%
Support Vector Machine (Scaled data)	48%	100%	85%	64%