

Train Data Resubstitution

	accuracy	Precision	Recall	F1
Fine Tree	99.45	100	98.81	0.99
Coarse Tree	92.21	98.97	82.52	0.9
Efficient Logistic Regression	99.41	98.96	99.82	0.99
Linear SVM	99.77	99.51	100	1
Quadratic SVM	100	100	100	1
Coarse Gaussian SVM	99.26	99.27	99.27	0.99
Coarse KNN	97.39	98.12	96.48	0.97
Weighted KNN	100	100	100	1
Bagged Trees	100	100	100	1
Narrow Neural Network	100	100	100	1
Wide Neural Network	100	100	100	1
Bilayered Neural Network	100	100	100	1
Trilayered Neural Network	100	100	100	1

Test Data Resubstitution

	accuracy	Precision	Recall	F1
	98.7	99.58	97.93	0.99
	90.11	98.56	80.59	0.89
	98.98	98	100	0.99
	99.81	99.62	100	1
	100	100	100	1
	99.13	98.76	99.58	0.99
	97.97	98.92	97.18	0.98
	100	100	100	1
	100	100	100	1
	99.25	99.64	98.92	0.99
	100	100	100	1
	98.9	98.55	99.27	0.99
	100	100	100	1

Train Data 20% Hold Out

	accuracy	Precision	Recall	F1
Fine Tree	99.45	100	98.81	0.99
Coarse Tree	92.21	98.97	82.52	0.9
Efficient Logistic Regression	99.29	98.39	100	0.99
Linear SVM	99.77	99.51	100	1
Quadratic SVM	100	100	100	1
Coarse Gaussian SVM	99.26	99.27	99.27	0.99
Coarse KNN	97.39	98.12	96.48	0.97
Weighted KNN	100	100	100	1
Bagged Trees	100	100	100	1
Narrow Neural Network	100	100	100	1
Wide Neural Network	100	100	100	1
Bilayered Neural Network	100	100	100	1
Trilayered Neural Network	100	100	100	1

Test Data 20% Hold Out

	accuracy	Precision	Recall	F1
	98.7	99.58	97.93	0.99
	90.11	98.56	80.59	0.89
	99.56	99.06	100	1
	99.81	99.62	100	1
	100	100	100	1
	99.13	98.76	99.58	0.99
	97.97	98.92	97.18	0.98
	100	100	100	1
	100	100	100	1
	9.25	99.64	98.92	0.99
	99.83	99.69	100	1
	99.25	99.64	98.92	0.99
	100	100	100	1

Train Data 5-Fold Cross-Validation

Test Data 5-Fold Cross-Validation

	accuracy	Precision	Recall	F1
Fine Tree	99.45	100	98.81	0.99
Coarse Tree	99.77	99.51	100	1
Efficient Logistic Regression	99.21	99.16	99.16	0.99
Linear SVM	99.77	99.51	100	1
Quadratic SVM	100	100	100	1
Coarse Gaussian SVM	99.26	99.27	99.27	0.99
Coarse KNN	97.39	98.12	96.48	0.97
Weighted KNN	100	100	100	1
Bagged Trees	100	100	100	1
Narrow Neural Network	100	100	100	1
Wide Neural Network	100	100	100	1
Bilayered Neural Network	100	100	100	1
Trilayered Neural Network	100	100	100	1

	accuracy	Precision	Recall	F1
	98.7	99.58	97.93	0.99
	100	100	100	1
	99.81	99.61	100	1
	100	100	100	1
	100	100	100	1
	99.13	98.76	99.58	0.99
	97.97	98.92	97.18	0.98
	100	100	100	1
	100	100	100	1
	93.37	97.93	98.95	0.98
	100	100	100	1
	98.9	98.55	99.27	0.99
	100	100	100	1