

Assignments

File : Comparison of 10 Classifier Models Precision, Recall

Topic : Comparison of accuracy on the classification of breast cancer tissues using ML

Submitted by: Anoop V H

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Date's:

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Comparison of 10 Classifier Models Precision, Recall, F1-Score and Accuracy									
Sl no	Model	Precision Score(PPV)		Recall Score (%)		F1- Score (%)		Accuracy Score (%)	
		TP/(TP+FP)		TP/(TP+FN)		2TP/(2TP+FN+FP)		(TP+TN)/(TP+TN+FN+FP)	
1	Logistic Regression	89.28	93.47	98.03	98.85	93.45	96.08	95.1	95.1
2	Decision Tree	96.42	97.53	87.09	90.8	94.04	91.52	93	93
3	Gaussian Naive Bayes	92.85	95.4	92.85	95.4	92.85	95.4	94.4	94.4
4	K Nearest Neighbourhood	92.85	95.5	96.29	97.7	94.54	96.59	95.8	95.8
5	Random Forest	94.64	96.51	92.98	95.4	93.8	95.95	95.1	95.1
6	Support vector machine	89.28	93.47	98.03	98.85	93.45	96.08	95.1	95.1
7	Gradient Boost Classifier	92.85	95.4	92.85	95.4	92.85	95.4	94.4	94.4
8	Linear Discriminant Analysis	91.07	94.56	100	100	95.32	97.2	96.5	96.5
9	XGBoost	96.42	97.64	93.1	95.4	94.73	96.51	95.8	95.8
10	Random Forest Classifier using AdaBoost and PCA		92.72		97.14		94.88		93.56