Sanket Prabhu Srp140430

Report

Dataset 1:

S=Sample

Method					<i>P</i>	ccura	ıcy				
	S1	S2	S3	S4	S5	S6	S7	\$8	S9	S10	Aver age of 10 samp les
Decision Tree	99	100	100	100	100	100	100	100	100	100	100
SVM	100	99	98	100	100	99	98	100	100	98	99
Naïve Bayesian	100	98	99	100	100	100	100	99	99	100	99
kNN	82	86	85	83	87	83	81	78	83	82	85
Logistic Regression	100	100	100	100	100	100	100	100	100	100	100
Neural Network	99.5	93.5	99	99.5	99	99	99.5	99	97.5	99	98.45
Bagging	57	58	56	59	52	60	51	55	56	56	56
Random Forest	99.5	100	100	100	99. 5	99. 5	100	100	100	100	99.8
Boosting	100	100	100	99.5	100	100	100	99. 5	100	100	99.9

Dataset 2:

Method	Accuracy												
	S1	S1 S2 S3 S4 S5 S6 S7 S8 S9 S10 Average											
											of 10		
											samples		

Decision	100	100	100	100	100	99	100	100	100	100	100
Tree											
SVM	100	100	100	100	100	100	100	100	100	100	100
Naïve	100	100	100	100	100	100	100	100	100	100	100
Bayesian											
kNN	90	95	90	92.5	95	90	92.5	92.5	82.5	97.5	91.75
Logistic	100	100	100	100	100	100	100	100	100	100	100
Regression											
Neural	62.5	65	57.5	70	62.5	65	75	55	60	85	65.7
Network											
Bagging	52	49	47	49	50	53	56	49	47	47	49.9
Random	67.5	75	60	80	65	70	67.5	62.5	65	77.5	69
Forest											
Boosting	100	99	100	100	100	100	100	100	100	100	100

Dataset 3:

Method						Accu	racy				
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	Average of 10 samples
Decision Tree	100	100	100	100	100	100	100	100	100	100	100
SVM	100	100	100	100	100	100	100	100	100	100	100
Naïve Bayesian	100	100	95	95	95	100	95	100	100	90	92.5
kNN	70	65	70	85	65	60	65	50	45	75	65
Logistic Regression	100	100	100	100	100	100	100	100	100	100	100
Neural Network	80	85	75	90	80	75	75	60	55	80	75.5
Bagging	45	43	55	41	53	49	50	43	43	47	46.9
Random Forest	85	85	80	90	80	80	80	65	65	80	87
Boosting	100	100	100	100	100	100	100	100	100	100	100

Dataset 4:

Method		Accuracy												
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	Average of 10 samples			
Decision Tree	100	100	100	100	100	100	100	100	100	100	100			
SVM	100	100	100	100	100	100	100	100	100	100	100			
Naïve Bayesian	98.24	98.2	96.5	98.2	100	94.7	98.2	100	100	96.4	98.04			
kNN	82.45	75.4	77.2	71.9	80.7	80.7	77.2	77.2	71.9	82.5	77.7			
Logistic Regression	100	100	100	100	100	100	100	100	100	100	100			
Neural Network	64.9	56.1	71.9	59.6	59.6	66.6	64.9	56.1	63.1	59.65	68.7			
Bagging	49	48	50	52	53	47	47	49	50	51	49.6			
Random Forest	98.2	91.2	89.4	94.7	96.4	98.2	94.7	96.5	94.7	96.5	95.05			
Boosting	100	99	100	99	100	100	99	100	100	100	99.7			

Dataset 5:

Method	Accuracy											
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	Average of 10 samples	
Decision Tree	100	100	100	100	100	100	100	100	100	100	100	
SVM	100	100	100	100	100	100	100	100	100	100	100	

Naïve	94.4	100	97.2	100	100	97.2	94.4	100	97.2	94.4	97.48
Bayesian											
kNN	91.6	94.4	94.4	83.3	94.4	83.3	77.7	88.8	94.4	88.8	89.11
Logistic	100	100	100	100	100	100	100	100	100	100	100
Regression											
Neural	88.8	88.8	94.4	86.1	86.1	86.1	83.3	94.4	91.6	77.7	87.73
Network											
Bagging	53	52	52	52	51	49	47	47	47	49	49.9
Random	94.4	100	94.4	91.6	100	94.4	91.6	97.2	97.2	88.8	91.96
Forest											
Boosting	100	100	100	100	100	100	100	100	100	100	100