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## Supplementary Material



### RESEARCH ARTICLE

## Machine Learning Algorithms in Cardiology Domain: A Systematic Review

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### SUPPLEMENTRY TABLES

Table 1.

ID	Acc	Spec TNR	Sens (recall)TPR	PPV (precision)	NPV	AUC ROC, C stat, C index	Fscore	FPR, 1-spec (1-TNR)	1-Sens I-TPR FNR	Kappa	ACI	a single class overlap accuracy (OAc),	MCC	BSS	Misclassification rate/incorrect classified	Detection rate	Detection incidence	D+	D-	CC	Brier score	Odds ratio	mean Error rate	root mean squared error (RMSE)	свой score на очное CM	10 folds cross val	sum	
34	1	1	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	
41	1	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
27	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
25	-	1	1	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
28	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7
22	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
29	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
30	-	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
35	1	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	5
16	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	8
40	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
36	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	7
39	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
31	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
37	-	-	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	5
26	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2
23	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
32	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
18	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
19	-	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	5	
21	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
24	-	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
17	1	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
14	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
33	1	1	1	-	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
sum	13	17	18	6	4	16	6	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	-

Table 2.

ID	Method 1	Method 2	Method 3	Method 4	Method 5	Method 6	Method 7	n
34	ANN MLP	-	-	-	-	-	-	1
31	LR Logistic regression	-	-	-	-	-	-	1
23	Associative Memory Classifier (AMC)	-	-	-	-	-	-	1
32	LogitBoost	-	-	-	-	-	-	1

(Table 2) cont.....

18	SVM (Support Vector Machine)	-	-	-	-	-	-	1
19	RF Random Forest	-	-	-	-	-	-	1
21	RF Random Forest	-	-	-	-	-	-	1
24	Gradient Boosting	-	-	-	-	-	-	1
38	DT (Decision Trees) C4.5	-	-	-	-	-	-	1
14	RF Random Forest	-	-	-	-	-	-	1
33	Artificial Neural Networks (ANN)	-	-	-	-	-	-	1
41	SVM (Support Vector Machine)	-	-	-	-	-	-	1
28	rotation forest ensembling technique with alternating decision tree as the underlying classifier	DT (Decision Trees)	-	-	-	-	-	2
37	LR logistic regression	Naïve Bayes (NB)	-	-	-	-	-	2
25	Gradient-boosting decision tree (GBDT)	RF Random Forest	LR logistic regression	-	-	-	-	3
22	Naïve Bayes (NB)	RF Random Forest	AdaBoost	-	-	-	-	3
40	RF Random Forest	Artificial Neural Networks (ANN)	SVM (Support Vector Machine)	-	-	-	-	3
27	Artificial Neural Networks (ANN)	SOM	ANN Radial basis function networks (RBFN)	DT (Decision Trees) C4.5	-	-	-	4
15	Artificial Neural Networks (ANN)	LR logistic regression	Fuzzy unordered rule induction algorithm (FURIA)	DT (Decision Trees) C4.5	-	-	-	4
16	LR Logistic regression	RF Random Forest	DT (Decision Trees) C 5.0	SVM (Support Vector Machine)	-	-	-	4
26	RF Random Forest	AIC-Cox	LASSO-Cox	Cox	-	-	-	4
30	RF Random Forest	LR Logistic regression	Gradient Boosting	Artificial Neural Networks (ANN)	-	-	-	4
35	Classification Based on Multiple Association Rules (CMAR) CMAR	Bayesian Network	DT (Decision Trees) C4.5	Artificial Neural Networks (ANN)	SVM (Support Vector Machine)	-	-	5
39	ANN Restricted Boltzmann Machine (RBM)	SVM (Support Vector Machine)	Extreme learning machines	a professional classifier (Hannover Expert System – HES)	k-Nearest Neighbor (KNN)	-	-	5
17	AdaBoost	Artificial Neural Networks (ANN)	Naïve Bayes (NB)	RF Random Forest	SVM (Support Vector Machine)	DT (Decision Trees) C4.5	-	6
29	Naïve Bayes (NB)	Alternating Decision Trees (ADT),	LR Logistic regression	pruning rules based classification tree (PART)	RF Random Forest	AdaBoost	-	6
36	Naïve Bayes (NB)	Artificial Neural Networks (ANN)	Sequential Minimal Optimization (SMO)	k-Nearest Neighbor (KNN)	AdaBoost	DT (Decision Trees) J48	RF Random Forest	7