

Diabetic-retinopathy-Debreceen (Auto-Sklearn)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	recall	F1 macro	F1 micro	AUROC
\\hline1	diabetic-fold-1	mip	3600	7,430558	85	0,75	0,757212	0,749981	0,75	0,757212
\\hline2	diabetic-fold-2	random_forest	3600	4,725435	85	0,730435	0,729545	0,729699	0,730435	0,729545
\\hline3	diabetic-fold-3	mip	3600	17,021097	85	0,756522	0,752429	0,75337	0,756522	0,752429
\\hline4	diabetic-fold-4	libsvm_svc	3600	2,086872	85	0,704348	0,704311	0,703788	0,704348	0,704311
\\hline5	diabetic-fold-5	passive_aggress	3600	2,18941	85	0,73913	0,735606	0,735754	0,73913	0,735606
\\hline6	diabetic-fold-6	liblinear_svc	3600	1,766577	85	0,791304	0,799231	0,790909	0,791304	0,799231
\\hline7	diabetic-fold-7	mip	3600	19,064871	85	0,721739	0,721996	0,716923	0,721739	0,721996
\\hline8	diabetic-fold-8	mip	3600	10,363527	85	0,756522	0,764286	0,752308	0,756522	0,764286
\\hline9	diabetic-fold-9	lda	3600	2,402991	85	0,713043	0,718807	0,712967	0,713043	0,718807
\\hline10	diabetic-fold-10	mip	3600	4,246183	85	0,704348	0,703721	0,702526	0,704348	0,703721
Average	N/A	N/A	N/A		7,130	85,000	0,737	0,739	0,735	0,737

Diabetic-retinopathy-Debreceen				
Auto-Sklearn		Auto-Weka		
Accuracy	Auroc	Accuracy	Auroc	
2,39	-3,1	-2,39	3,1	

A positive value indicates that this framework is x percent better, while a negative value indicates that it is x percent worse.

Diabetic-retinopathy-Debreceen (Auto-Weka)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	Precision	recall	F1 score	AUROC
\\hline1	autoweke-diabeti	AdaBoostM1	3008,29	0,01	85	66,6667	0,667	0,667	0,667	0,688
\\hline2	autoweke-diabeti	Bagging	3050,73	0,04	85	62,2587	0,621	0,623	0,620	0,684
\\hline3	autoweke-diabeti	Bagging	3031,84	0,05	85	59,1304	0,600	0,591	0,590	0,663
\\hline4	autoweke-diabeti	Logistic	3009,51	0,03	85	64,6718	0,647	0,647	0,647	0,714
\\hline5	autoweke-diabeti	LWL	3240,13	52,79	85	76,4479	0,770	0,764	0,765	0,857
\\hline6	autoweke-diabeti	LWL	3220	49,8	85	89,5652	0,901	0,896	0,896	0,931
\\hline7	autoweke-diabeti	Logistic	3008,71	0,1	85	74,7826	0,777	0,748	0,750	0,811
\\hline8	autoweke-diabeti	Logistic	3009,45	0,03	85	74,7826	0,779	0,748	0,751	0,830
\\hline9	autoweke-diabeti	LWL	3245,23	55,85	85	66,9565	0,674	0,670	0,670	0,757
\\hline10	autoweke-diabeti	SMO	3273,63	0,13	85	77,7992	0,795	0,778	0,777	0,784
Average	N/A	N/A	3109,75	158,83	85,00	71,31		0,72	0,71	0,77

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Obesity Dataset raw and data syntheti (Auto-Sklearn)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	recall	F1 macro	F1 micro	AUROC
\\hline1	Obesity-fold-1	gradient_boostin	3600	20,688436	85	0,95283	0,951835	0,951791	0,95283	0,996496
\\hline2	Obesity-fold-2	libsvm_svc	3600	4,098679	85	0,971564	0,971001	0,971814	0,971564	0,997796
\\hline3	Obesity-fold-3	libsvm_svc	3600	3,354564	85	0,981043	0,978807	0,979918	0,981043	0,999346
\\hline4	Obesity-fold-4	gradient_boostin	3600	86,799546	85	0,943128	0,938914	0,932557	0,943128	0,996662
\\hline5	Obesity-fold-5	gradient_boostin	3600	170,421677	85	0,966825	0,968942	0,969339	0,966825	0,999287
\\hline6	Obesity-fold-6	gradient_boostin	3600	28,833921	85	0,971564	0,970605	0,971264	0,971564	0,998435
\\hline7	Obesity-fold-7	gradient_boostin	3600	13,595027	85	0,971564	0,967386	0,968472	0,971564	0,999332
\\hline8	Obesity-fold-8	gradient_boostin	3600	125,910552	85	0,957346	0,955436	0,954633	0,957346	0,997772
\\hline9	Obesity-fold-9	libsvm_svc	3600	3,559975	85	0,981043	0,976264	0,978697	0,981043	0,999612
\\hline10	Obesity-fold-10	libsvm_svc	3600	3,421645	85	0,976303	0,974779	0,976184	0,976303	0,999324
Average	N/A	N/A	N/A	46,068	85,000	0,967	0,965	0,965	0,967	0,998

Obesity Dataset raw and data syntheti				
Auto-Sklearn		Auto-Weka		
Accuracy	Auroc	Accuracy	Auroc	
4,62	0,8	-4,62	-0,8	

A positive value indicates that this framework is x percent better, while a negative value indicates that it is x percent worse.

Obesity Dataset raw and data syntheti (Auto-Weka)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	Precision	recall	F1 score	AUROC
\\hline1	autoweke-obesiti	AdaBoostM1	3032,11	0,14	85	96,2264	0,964	0,962	0,962	0,999
\\hline2	autoweke-obesiti	AdaBoostM1	3026,3	0,13	85	96,2085	0,963	0,962	0,962	0,998
\\hline3	autoweke-obesiti	AdaBoostM1	3017,57	0,14	85	98,5782	0,987	0,986	0,986	0,999
\\hline4	autoweke-obesiti	Logistic	3059,73	0,04	85	78,673	0,787	0,787	0,786	0,967
\\hline5	autoweke-obesiti	AdaBoostM1	3069,91	0,12	85	97,6303	0,977	0,976	0,976	0,999
\\hline6	autoweke-obesiti	RandomForest	3122,27	0,06	85	91,4692	0,918	0,915	0,915	0,982
\\hline7	autoweke-obesiti	LMT	3162,25	0,04	85	86,7299	0,866	0,867	0,866	0,980
\\hline8	autoweke-obesiti	LMT	3047,7	0,03	85	97,6303	0,976	0,976	0,976	0,999
\\hline9	autoweke-obesiti	AdaBoostM1	3063,21	0,14	85	97,1223	0,974	0,971	0,971	1,000
\\hline10	autoweke-obesiti	Logistic	3095,53	0,06	85	80,5687	0,809	0,806	0,803	0,965
Average	N/A	N/A	3069,66	0,09	85,00	92,08	0,92	0,92	0,92	0,99

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Thoracic Surgery Binary Survival (Auto-Sklearn)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	recall	F1 macro	F1 micro	AUROC
\\hline1	Thoracic-surgery	lda	3600	3,810117	85	0,893617	0,5	0,47191	0,893617	0,5
\\hline2	Thoracic-surgery	random_forest	3600	6,874774	85	0,87234	0,5	0,465909	0,87234	0,5
\\hline3	Thoracic-surgery	random_forest	3600	6,621401	85	0,808511	0,5	0,447059	0,808511	0,5
\\hline4	Thoracic-surgery	lda	3600	1,946631	85	0,893617	0,5	0,47191	0,893617	0,5
\\hline5	Thoracic-surgery	adaboost	3600	6,081775	85	0,893617	0,488372	0,47191	0,893617	0,488372
\\hline6	Thoracic-surgery	k_nearest_neigh	3600	1,577444	85	0,87234	0,5	0,465909	0,87234	0,5
\\hline7	Thoracic-surgery	adaboost	3600	6,760939	85	0,893617	0,5	0,47191	0,893617	0,5
\\hline8	Thoracic-surgery	k_nearest_neigh	3600	2,219199	85	0,765957	0,486486	0,433735	0,765957	0,486486
\\hline9	Thoracic-surgery	extra_trees	3600	5,944518	85	0,702128	0,49881	0,472756	0,702128	0,49881
\\hline10	Thoracic-surgery	lda	3600	2,401455	85	0,808511	0,487179	0,447059	0,808511	0,487179
Average	N/A	N/A	N/A	4,42	85,00	0,84	0,50	0,46	0,84	0,50

Thoracic Surgery Binary Survival				
Auto-Sklearn		Auto-Weka		
Accuracy	Auroc	Accuracy	Auroc	
-1,32	1,04	1,32	-1,04	

A positive value indicates that this framework is x percent better, while a negative value indicates that it is x percent worse.

Thoracic Surgery Binary Survival (Auto-Weka)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	Precision	recall	F1 score	AUROC
\\hline1	autoweke-thoraci	RandomTree	3 007,24	0,03	85,00	85,11	0,79	0,85	0,82	0,62
\\hline2	autoweke-thoraci	RandomCommitt	3 008,86	0,01	85,00	87,23	0,00	0,87	0,00	0,46
\\hline3	autoweke-thoraci	SimpleLogistic	3 007,98	0,02	85,00	80,85	0,00	0,81	0,00	0,50
\\hline4	autoweke-thoraci	KStar	3 009,84	0,23	85,00	89,36	0,00	0,89	0,00	0,67
\\hline5	autoweke-thoraci	OneR	3 007,39	0,02	85,00	91,49	0,00	0,92	0,00	0,50
\\hline6	autoweke-thoraci	Bagging	3 012,99	0,01	85,00	87,23	0,00	0,87	0,00	0,49
\\hline7	autoweke-thoraci	OneR	3 006,57	0,01	85,00	100,00	1,00	1,00	1,00	0,00
\\hline8	autoweke-thoraci	AdaBoostM1	3 008,32	0,02	85,00	76,60	0,62	0,77	0,68	0,58
\\hline9	autoweke-thoraci	SimpleLogistic	3 007,69	0,01	85,00	74,47	0,00	0,75	0,00	0,50
\\hline10	autoweke-thoraci	BayesNet	3 007,64	0,01	85,00	80,85	0,69	0,81	0,74	0,56
Average	N/A	N/A	3 008,45	0,04	85,00	85,32	0,31	0,85	0,32	0,49

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Breast cancer Coimbra (Auto-Sklearn)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	recall	F1 macro	F1 micro	AUROC
\\hline1	Breast-cancer-foi	mip	3600	2,962654	85	0,833333	0,875	0,828571	0,833333	0,875
\\hline2	Breast-cancer-foi	mip	3600	3,331546	85	0,75	0,75	0,733333	0,75	0,75
\\hline3	Breast-cancer-foi	mip	3600	4,402999	85	1,0	1,0	1,0	1,0	1,0
\\hline4	Breast-cancer-foi	gradient_boostin	3600	3,942139	85	0,666667	0,657143	0,657143	0,666667	0,657143
\\hline5	Breast-cancer-foi	lda	3600	2,19195	85	0,833333	0,857143	0,833333	0,833333	0,857143
\\hline6	Breast-cancer-foi	bernoulli_nb	3600	1,271993	85	0,833333	0,833333	0,828571	0,833333	0,833333
\\hline7	Breast-cancer-foi	lda	3600	1,556687	85	0,545455	0,482143	0,47619	0,545455	0,482143
\\hline8	Breast-cancer-foi	adaboost	3600	3,831668	85	1,0	1,0	1,0	1,0	1,0
\\hline9	Breast-cancer-foi	mip	3600	3,241668	85	0,727273	0,716667	0,717949	0,727273	0,716667
\\hline10	Breast-cancer-foi	sgd	3600	1,50605	85	0,818182	0,5	0,45	0,818182	0,5
Average	N/A	N/A	N/A	2,83	85,00	0,80	0,77	0,75	0,80	0,77

Breast cancer Coimbra				
Auto-Sklearn		Auto-Weka		
Accuracy	Auroc	Accuracy	Auroc	
10,23	8,71	-10,23	-8,71	

A positive value indicates that this framework is x percent better, while a negative value indicates that it is x percent worse.

Breast cancer Coimbra (Auto-Weka)										
Fold	HP	Classifier	Search Time (s)	Algorithm run (s)	Seed	Accuracy	Precision	recall	F1 score	AUROC
\\hline1	autoweke-breast	AdaBoostM1	3008,29	0,01	85	66,6667	0,667	0,667	0,667	0,688
\\hline2	autoweke-breast	LMT	3077,06	0	85	50	0,500	0,500	0,500	0,391

[illegible]