

Table of AUC results for all the tested classifiers

Diana Laura Aguilar

A01751168@itesm.mx

Octavio Loyola-González

olg@altair.consulting

Miguel Angel Medina-Pérez

migue@tec.mx

Leonardo Cañete-Sifuentes

leonardo.c@tec.mx

Kim-Kwang Raymond Choo

raymond.choo@fulbrightmail.org

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Database	SOD	ROD	COPOD	VAE	HBOS	PCA	ABOD	CBLOF	KNN	eForest	ocSVM	IForest	PBC4occ	OTree
abalone17vs78910	0.6735	0.5754	0.6033	0.6047	0.5942	0.6047	0.7269	0.6229	0.7280	0.5634	0.6394	0.695	0.715	0.518
abalone19	0.5514	0.5460	0.5440	0.5000	0.5623	0.5280	0.5565	0.5366	0.5575	0.5038	0.5411	0.538	0.564	0.501
abalone19vs10111213	0.5123	0.5247	0.5106	0.5053	0.5056	0.5016	0.5581	0.5147	0.5541	0.6584	0.5560	0.501	0.768	0.531
abalone20vs8910	0.6425	0.5483	0.5810	0.5269	0.5420	0.5259	0.8137	0.6085	0.7962	0.7565	0.6073	0.661	0.887	0.642
abalone21vs8	0.7394	0.6924	0.7765	0.7945	0.7749	0.8034	0.9167	0.7607	0.9176	0.9940	0.8771	0.905	0.998	0.502
abalone3vs11	0.5875	0.9015	0.9589	0.9466	0.9487	0.9466	0.9507	0.9405	0.9466	0.5088	0.9897	0.999	0.544	0.502
abalone9vs18	0.6069	0.5135	0.5630	0.5570	0.5663	0.5618	0.7828	0.5810	0.7480	0.6459	0.6258	0.683	0.783	0.56
cargoood	0.6603	0.5639	0.5000	0.8430	0.8409	0.8430	0.6697	0.5000	0.5044	0.5086	0.9432	0.833	0.877	0.5
carvgood	0.6491	0.5682	0.5000	0.8864	0.8941	0.8864	0.7090	0.5000	0.5339	0.5044	0.9923	0.889	0.948	0.5
cleveland0vs4	0.6013	0.8052	0.8383	0.7853	0.8053	0.7520	0.5897	0.5678	0.5802	0.7899	0.6143	0.883	0.787	0.546
dermatology6	0.7255	0.5526	0.5517	0.9393	0.7193	0.9408	0.5000	0.8736	0.9050	0.9574	0.9523	0.908	0.957	0.832
ecoli0137vs26	0.5602	0.8611	0.6333	0.9161	0.9108	0.9041	0.8423	0.8569	0.8587	0.9478	0.9400	0.974	0.83	0.808
ecoli0146vs5	0.5102	0.6155	0.6186	0.7102	0.8091	0.7576	0.8288	0.8390	0.8580	0.8356	0.9125	0.92	0.881	0.526
ecoli0147vs2356	0.5291	0.6173	0.6032	0.7032	0.8386	0.7764	0.8559	0.8100	0.8627	0.8812	0.9425	0.913	0.833	0.595
ecoli0147vs56	0.5816	0.6330	0.7024	0.8078	0.7970	0.8078	0.8061	0.7896	0.8115	0.8062	0.8530	0.847	0.79	0.562
ecoli01vs235	0.5015	0.6481	0.5288	0.6696	0.8362	0.7292	0.8650	0.8127	0.8677	0.8444	0.8992	0.899	0.881	0.534
ecoli01vs5	0.5356	0.5761	0.5135	0.7101	0.7761	0.7358	0.8062	0.7363	0.7926	0.8445	0.8058	0.852	0.924	0.502
ecoli0234vs5	0.5604	0.5973	0.5126	0.6925	0.7814	0.7367	0.8142	0.7206	0.8151	0.9011	0.8540	0.852	0.89	0.52
ecoli0267vs35	0.5009	0.5632	0.5074	0.6945	0.8035	0.7143	0.8946	0.8775	0.8532	0.9287	0.9147	0.899	0.895	0.539
ecoli0346vs5	0.5579	0.6084	0.6009	0.6589	0.7434	0.7183	0.8096	0.8128	0.7940	0.8514	0.8782	0.854	0.895	0.512
ecoli0347vs56	0.5144	0.5528	0.5128	0.6889	0.8078	0.7167	0.9028	0.8594	0.8678	0.9046	0.9264	0.913	0.854	0.592
ecoli034vs5	0.5515	0.5338	0.5236	0.6559	0.7697	0.7059	0.8868	0.8374	0.8614	0.8531	0.8970	0.878	0.913	0.507
ecoli046vs5	0.5179	0.5017	0.5180	0.7001	0.7322	0.7222	0.8325	0.7312	0.8121	0.9214	0.8480	0.845	0.878	0.511

ecoli067vs35	0.5539	0.5396	0.5239	0.6449	0.7887	0.7233	0.8929	0.8502	0.8474	0.9085	0.9335	0.892	0.908	0.541
ecoli067vs5	0.5277	0.6168	0.6050	0.6905	0.7234	0.7152	0.8277	0.7850	0.8057	0.8539	0.8843	0.88	0.809	0.511
ecoli0vs1	0.5550	0.5375	0.5675	0.6375	0.7100	0.6975	0.8100	0.7575	0.7825	0.8780	0.8865	0.83	0.825	0.579
ecoli1	0.5077	0.5147	0.5341	0.5673	0.6063	0.5601	0.6647	0.7169	0.7121	0.7441	0.8140	0.846	0.813	0.548
ecoli2	0.5548	0.6275	0.5418	0.5607	0.5273	0.6029	0.6380	0.7243	0.7069	0.6935	0.7252	0.726	0.73	0.505
ecoli3	0.5675	0.5271	0.5478	0.5297	0.5684	0.5841	0.5004	0.5186	0.5029	0.6116	0.7278	0.751	0.831	0.5
ecoli4	0.5164	0.5510	0.6875	0.7162	0.7746	0.7578	0.8510	0.8283	0.8326	0.7981	0.8894	0.876	0.885	0.501
flareF	0.6523	0.6508	0.7075	0.7119	0.7952	0.7119	0.5000	0.6806	0.6680	0.8266	0.8011	0.812	0.865	0.581
glass0	0.6145	0.6166	0.5870	0.5554	0.5572	0.5554	0.5587	0.5623	0.5589	0.9238	0.6184	0.658	0.927	0.75
glass0123vs456	0.5971	0.5086	0.6061	0.8459	0.8245	0.8478	0.9221	0.9359	0.9261	0.5808	0.8982	0.943	0.645	0.518
glass0146vs2	0.6147	0.5000	0.5691	0.5388	0.5290	0.5329	0.5453	0.5667	0.5533	0.5397	0.7284	0.625	0.6	0.511
glass015vs2	0.5615	0.5148	0.5292	0.5319	0.5292	0.5260	0.5484	0.5581	0.5484	0.5365	0.7087	0.529	0.628	0.526
glass016vs2	0.6139	0.5215	0.5627	0.5397	0.5334	0.5397	0.5543	0.5600	0.5514	0.8140	0.7318	0.597	0.571	0.59
glass016vs5	0.6111	0.5552	0.5016	0.5016	0.5117	0.5013	0.6597	0.7292	0.6514	0.8005	0.5213	0.76	0.839	0.611
glass04vs5	0.6543	0.5111	0.5473	0.6438	0.7095	0.6206	0.7830	0.8977	0.7240	0.8367	0.6516	0.848	0.667	0.687
glass06vs5	0.6547	0.5356	0.5003	0.5864	0.5961	0.5742	0.9350	0.9197	0.9400	0.5650	0.5794	0.74	0.679	0.538
glass1	0.5724	0.5887	0.5126	0.5179	0.5134	0.5179	0.5255	0.5013	0.5082	0.5978	0.5047	0.513	0.539	0.503
glass2	0.5990	0.5085	0.5337	0.5415	0.5314	0.5389	0.5534	0.5532	0.5507	0.5881	0.7132	0.643	0.664	0.511
glass4	0.5781	0.5900	0.6089	0.5606	0.6147	0.5556	0.8783	0.8811	0.8628	0.8645	0.8208	0.88	0.843	0.62
glass5	0.5604	0.5322	0.5043	0.5019	0.5095	0.5019	0.6068	0.6526	0.6155	0.7696	0.5358	0.725	0.583	0.569
glass6	0.5620	0.5081	0.6491	0.9142	0.8302	0.9176	0.9176	0.9056	0.9115	0.8839	0.8666	0.946	0.936	0.825
haberman	0.5489	0.5163	0.5333	0.5000	0.6002	0.5346	0.5000	0.6356	0.6121	0.6137	0.5357	0.681	0.691	0.5
iris0	0.7260	0.7460	0.5500	0.9450	0.9090	0.9400	0.9550	0.9050	0.9600	0.9622	1.0000	0.966	0.981	0.516
krvskonevsfifteen	0.6105	0.8661	0.9617	0.8567	0.8908	0.8272	0.9497	0.9476	0.9698	0.9439	0.8918	0.91	0.981	0.5
krvskthreevseleven	0.6549	0.5369	0.5851	0.5224	0.5203	0.5224	0.9347	0.5000	0.9550	0.7785	0.8972	0.739	0.78	0.658
krvskzeroonevsdraw	0.6374	0.5074	0.5353	0.5434	0.5090	0.5434	0.8672	0.5513	0.8897	0.7237	0.6063	0.79	0.96	0.752
krvskzerovseight	0.5534	0.8768	0.9548	0.9145	0.8372	0.8849	0.9506	0.9381	0.9723	0.8041	0.9532	0.833	0.767	0.613
krvskzerovsfifteen	0.6618	0.5844	0.5567	0.6144	0.6748	0.6144	0.9404	0.8353	0.9477	0.9604	0.8398	0.703	0.963	0.5
led7digit02456789vs1	0.5570	0.5706	0.7297	0.8828	0.8811	0.8711	0.5000	0.5000	0.6219	0.8067	0.8545	0.777	0.88	0.515
lymphographynormalfibrosis	0.8064	0.9183	0.9544	0.9438	0.9239	0.9438	0.9542	0.8982	0.9507	0.8087	0.9364	0.985	0.998	0.83
newthyroid1	0.5631	0.5444	0.6549	0.8215	0.7673	0.8017	0.7618	0.7476	0.7102	0.9206	0.8741	0.933	0.979	0.705
newthyroid2	0.5148	0.5361	0.6577	0.8243	0.7675	0.8187	0.7671	0.7447	0.7156	0.9113	0.8801	0.934	0.975	0.589
pageblocks0	0.5320	0.5688	0.6261	0.8324	0.8383	0.8306	0.6243	0.5456	0.6108	0.9059	0.6972	0.915	0.579	0.535
pageblocks13vs4	0.7585	0.5688	0.7533	0.7210	0.5200	0.7199	0.8019	0.7937	0.8019	0.8577	0.6973	0.917	0.938	0.785
pima	0.5190	0.5005	0.5877	0.5769	0.5956	0.5781	0.6106	0.5947	0.6026	0.5386	0.7017	0.722	0.622	0.511
poker89vs5	0.5996	0.5338	0.5240	0.5358	0.5437	0.5078	0.5000	0.5524	0.6220	0.5421	0.6822	0.516	0.525	0.5
poker89vs6	0.5557	0.5117	0.5102	0.5413	0.5486	0.5698	0.5000	0.5000	0.7470	0.6101	0.5923	0.606	0.644	0.5
poker8vs6	0.6233	0.6028	0.5355	0.6107	0.5510	0.5933	0.5000	0.6073	0.7170	0.6168	0.5092	0.628	0.581	0.5

poker9vs7	0.6267	0.7536	0.5088	0.7055	0.5784	0.7015	0.5000	0.8156	0.8555	0.5329	0.9624	0.929	0.876	0.709
segment0	0.6444	0.6728	0.5551	0.5371	0.5318	0.5371	0.6342	0.5017	0.6113	0.7237	0.6255	0.537	0.774	0.752
shuttle2vs5	0.6651	0.8024	0.9625	0.9500	0.9865	0.9500	0.5000	0.9286	0.9504	0.9935	0.8350	0.978	0.909	0.994
shuttle6vs23	0.7250	0.5109	0.6477	0.9477	0.6077	0.9477	0.5000	0.9318	0.9500	1.0000	1.0000	0.947	0.843	0.982
shuttlec0vsc4	0.5202	0.6736	0.9807	0.9496	0.9490	0.9487	0.5000	0.9469	0.9511	0.9916	0.9953	0.999	0.988	0.999
shuttlec2vsc4	0.6950	0.6878	0.8920	0.9593	0.9515	0.9552	0.5000	0.9390	0.9428	0.9604	0.8415	0.969	0.948	0.978
vehicle0	0.6117	0.6382	0.5505	0.5546	0.5558	0.5531	0.5000	0.5264	0.5969	0.6949	0.6553	0.724	0.753	0.623
vehicle1	0.5482	0.5118	0.5056	0.5057	0.5365	0.5066	0.5000	0.5063	0.5070	0.5851	0.5318	0.622	0.541	0.512
vehicle2	0.5931	0.6189	0.5101	0.5130	0.5515	0.5122	0.5000	0.5908	0.6632	0.6471	0.5901	0.653	0.741	0.666
vehicle3	0.5353	0.5116	0.5134	0.5218	0.5281	0.5218	0.5000	0.5279	0.5280	0.6194	0.5978	0.66	0.564	0.503
vowel0	0.7001	0.6122	0.8088	0.8993	0.8515	0.8988	0.9510	0.5000	0.9354	0.9088	0.8197	0.969	0.979	0.594
winequalityred3vs5	0.5134	0.6074	0.5993	0.5594	0.6642	0.5586	0.5263	0.5170	0.5263	0.7059	0.5864	0.811	0.816	0.567
winequalityred4	0.5225	0.5093	0.5156	0.5002	0.5247	0.5026	0.5027	0.5037	0.5036	0.5239	0.5381	0.592	0.673	0.522
winequalityred8vs6	0.5878	0.5720	0.6133	0.6150	0.5777	0.6157	0.5324	0.5127	0.5300	0.5405	0.6071	0.643	0.552	0.511
winequalityred8vs67	0.5489	0.5455	0.5726	0.5615	0.5579	0.5603	0.5207	0.5135	0.5274	0.5419	0.5889	0.583	0.546	0.508
winequalitywhite39vs5	0.7414	0.6250	0.7295	0.7483	0.6159	0.7506	0.8178	0.7782	0.8333	0.7394	0.8465	0.848	0.771	0.586
winequalitywhite3vs7	0.7934	0.7014	0.7186	0.7699	0.6501	0.7702	0.6593	0.6346	0.6673	0.9094	0.7058	0.812	0.876	0.74
winequalitywhite9vs4	0.5485	0.5119	0.5549	0.5672	0.5258	0.5612	0.5414	0.5291	0.5474	0.5161	0.7841	0.685	0.63	0.521
wisconsin	0.7997	0.6340	0.9443	0.9483	0.9481	0.9471	0.5000	0.9456	0.9494	0.5090	0.9943	0.994	0.987	0.501
yeast0256vs3789	0.5246	0.5213	0.6874	0.6940	0.7185	0.7045	0.6387	0.6108	0.6409	0.6627	0.7832	0.753	0.725	0.577
yeast02579vs368	0.5129	0.5189	0.7124	0.7900	0.7840	0.8090	0.7676	0.6990	0.7462	0.7974	0.8621	0.839	0.878	0.548
yeast0359vs78	0.5044	0.5162	0.5174	0.5694	0.5834	0.5776	0.5807	0.5694	0.5785	0.5729	0.6279	0.577	0.59	0.596
yeast05679vs4	0.5025	0.5278	0.5489	0.5500	0.5259	0.5680	0.6093	0.6108	0.6239	0.6827	0.7225	0.672	0.72	0.501
yeast1	0.5196	0.5379	0.5257	0.5211	0.5089	0.5220	0.5162	0.5467	0.5344	0.6637	0.5203	0.555	0.627	0.505
yeast1289vs7	0.5026	0.5779	0.6177	0.6387	0.5958	0.6431	0.6011	0.5751	0.5909	0.6093	0.6567	0.629	0.518	0.522
yeast1458vs7	0.5202	0.5517	0.5509	0.5804	0.5643	0.5960	0.6376	0.5277	0.5787	0.5301	0.6347	0.581	0.695	0.507
yeast1vs7	0.5115	0.5443	0.5354	0.5395	0.5201	0.5346	0.5238	0.5329	0.5120	0.8622	0.5456	0.523	0.813	0.503
yeast2vs4	0.5002	0.5018	0.6651	0.7875	0.7256	0.8101	0.7628	0.7511	0.7666	0.8009	0.8810	0.883	0.594	0.713
yeast2vs8	0.5731	0.5159	0.6763	0.7441	0.6704	0.7430	0.7803	0.7726	0.7863	0.5098	0.7519	0.689	0.611	0.506
yeast3	0.5224	0.5314	0.5060	0.5004	0.5007	0.5109	0.5540	0.5787	0.5441	0.6158	0.5928	0.663	0.665	0.508
yeast4	0.5192	0.5013	0.6206	0.5974	0.5881	0.6171	0.6050	0.5816	0.5822	0.6840	0.7641	0.712	0.7	0.501
yeast5	0.5095	0.6025	0.8326	0.7301	0.7671	0.7171	0.5990	0.5670	0.6235	0.8086	0.9068	0.877	0.854	0.557
yeast6	0.5293	0.5331	0.6388	0.6078	0.6072	0.6068	0.5326	0.5239	0.5333	0.6372	0.7912	0.726	0.739	0.513
zoo3	0.5421	0.5368	0.5626	0.6032	0.5368	0.6284	0.5000	0.6624	0.7682	0.7567	0.5098	0.616	0.76	0.547