

Table 1: P-value of Different Approaches for Different-scales Family

nosia_part vs. nosia_all						
	M-1			M-2		
	large	medium	small	large	medium	small
SVM	0.014489904	0.091403824	0.630080238	0.000470981	0.224170503	0.019227299
DTree	0.847985515	0.158731086	0.130870356	0.009839859	0.006141647	0.016992471
RF	0.572149912	0.189305041	0.019199221	0.010704436	0.751150055	0.002607994
KNN	0.208424491	0.012828901	0.970619584	0.062521303	0.145535301	0.439044258
	M-3			M-3s		
	large	medium	small	large	medium	small
SVM	0.539234904	0.047056541	0.806146286	0.28149924	0.005044584	0.003147845
DTree	0.000717104	0.000532519	0.630113029	0.033319446	0.0081632	0.006736173
RF	0.000054591	0.629908821	0.068293062	0.004641375	0.617597805	0.000006595
KNN	0.03658356	0.041451588	0.057984643	0.061837506	0.004137429	0.037507146
nosia_all vs. sia_part						
	M-1			M-2		
	large	medium	small	large	medium	small
SVM	0.000010633	0.001793812	0.000015661	0.000000003	0.0000015	0
DTree	0.002975399	0.000366873	0.0000789	0.000444267	0.000007431	0
RF	0.001004475	0.001634346	0.000003733	0.000001706	0.000000105	0
KNN	0.000028886	0.000086036	0.000271993	0.00001175	0.000003417	0
	M-3			M-3s		
	large	medium	small	large	medium	small
SVM	0.000000068	0.000001737	0.00000002	0.000000275	0.00001819	0.00000001
DTree	0.000000056	0.000000389	0.041026468	0.000000005	0.000005271	0.000006785
RF	0.000000001	0.000000058	0.00001153	0.000000013	0.000000089	0.000000002
KNN	0.000000003	0.00004717	0.000000104	0.000000532	0.000000629	0
mlp_part vs. mlp_all						
	M-1			M-2		
	large	medium	small	large	medium	small
SVM	0.747979161	0.030131198	1	0.000172596	0.021731072	1
DTree	0.984478716	0.003267378	0.767765274	0.063562628	0.231615007	0.910816774
RF	0.473956961	0.297346993	0.599315614	0.068584761	0.031488166	0.661813917
KNN	0.401058996	0.134847049	0.916276144	0.217309647	0.109613147	0.440366444
	M-3			M-3s		
	large	medium	small	large	medium	small
SVM	0.000043581	0.000862143	1	0.000002395	0.000467059	0.233401276
DTree	0.002156813	0.000719857	0.771508851	0.020524626	0.000716027	0.534333472
RF	0.393577466	0.00092492	0.160265242	0.037403059	0.008215841	0.029859623
KNN	0.000039726	0.010901731	0.189175679	0.874086493	0.011498577	0.100336634
sia_part vs. mlp_all						
	M-1			M-2		
	large	medium	small	large	medium	small
SVM	0.000005026	0.000006058	0.000000188	0.000000002	0.000001121	0
DTree	0.000060363	0.000157962	0.000001932	0.000077065	0.000000956	0
RF	0.000167331	0.000068764	0.000000582	0.000000434	0.00000523	0
KNN	0.02914939	0.000381281	0.000125586	0.000088638	0.000026918	0.000000023
	M-3			M-3s		
	large	medium	small	large	medium	small
SVM	0	0.000000058	0.000000002	0	0.000000007	0
DTree	0.000000028	0.000000019	0.000147438	0.000000015	0.000000293	0.000000006
RF	0.000000003	0.000000163	0.000000045	0.000000007	0.000000291	0
KNN	0.000023926	0.00000372	0.000000007	0	0.000000063	0