

A HYPOTHESIS TESTS' RESULTS

This Appendix presents the hypotheses test results for each task and metric. We present the t-test results in a $N \times N$ table, where N is the number of assessed models. We dashed the table's diagonal to indicate we did not make a paired comparison of the same model. When the means results are equal, the t-test returns an undefined value. We present these cases when the cells under the diagonal have no value filled. We bolted all results that reject the null hypothesis are bolted.

Table 10: Accuracy t-test results for Titanic dataset

[illegible]

Table 12: DispEqOdds t-test results for Titanic dataset

UnfairLR	UnfairLR	UnfairLR-decay	ZhuangIDP	ZhuangEqOdds	ZhuangEqOpp	LAFTRIDP-0.1	LAFTRIDP-0.2	LAFTRIDP-0.3	LAFTRIDP-0.4	LAFTRIDP-0.5	LAFTRIDP-0.6	LAFTRIDP-0.7	LAFTRIDP-0.8	LAFTRIDP-0.9	BEUTELIDP
UnfairLR	6.15438e-06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.0231016	0.000106632	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhuangIDP	0.0199864	6.5907e-05	0.43945	-	-	-	-	-	-	-	-	-	-	-	-
ZhuangEqOdds	0.023807	0.00237936	0.43456	0.134829	-	-	-	-	-	-	-	-	-	-	-
ZhuangEqOpp	0.023807	0.00237936	0.43456	0.134829	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.1	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.2	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.3	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.4	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.5	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.6	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.7	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.8	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
LAFTRIDP-0.9	0.0055569	0.0066502	0.0055569	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502	0.0066502
BEUTELIDP	0.487826	0.110734	0.299867	0.294481	0.264177	0.704611	0.403117	0.308879	0.27745	0.376528	0.376528	0.376528	0.376528	0.376528	-

Table 13: DispEqOpp t-test results for Titanic dataset

[illegible]

Table 15: FU-score (DispEqOdds) for Titanic dataset

	UninLR	UninLR-decay	Zhang(DP)	Zhang(DP+QoIs)	Zhang(DP+QoP)	LAFTRDP-0.2	LAFTRDP-0.5	LAFTRDP-0.7	LAFTRDP-1.0	LAFTRDP-QoIs=0.2	LAFTRDP-QoIs=0.5	LAFTRDP-QoIs=0.7	LAFTRDP-QoIs=1.0	LAFTRDP-QoP=0.2	LAFTRDP-QoP=0.5	LAFTRDP-QoP=0.7	LAFTRDP-QoP=1.0	BEUTLDP
UninLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UninLR-decay	0.00118624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDTP	0.0419506	0.00180849	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqQoIs	0.02897	0.00180645	0.391863	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqQoP	0.043306	0.000769722	0.146556	0.184801	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.2	0.383166	0.00234744	0.0585831	0.0555263	0.050867	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.5	0.0128048	0.00426188	0.00426188	0.00174208	0.0024235	0.174375	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.7	0.00696413	0.000458254	0.00244555	0.000632933	0.00068681	0.007955	0.00472428	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-1.0	0.00454481	0.0006751	0.00346742	0.00169848	0.00324326	0.00872991	0.0032582	0.0443463	-	-	-	-	-	-	-	-	-	-
LAFTRDP-QoIs=0.2	0.03603	0.001850517	0.0140665	0.0115082	0.00779967	0.367473	0.000306	0.0443508	0.0443463	-	-	-	-	-	-	-	-	-
LAFTRDP-QoIs=0.5	0.03683	0.00185017	0.0140665	0.0115082	0.00779967	0.367473	0.000306	0.0443508	0.0443463	-	-	-	-	-	-	-	-	-
LAFTRDP-QoIs=0.7	0.03683	0.00185017	0.0140665	0.0115082	0.00779967	0.367473	0.000306	0.0443508	0.0443463	-	-	-	-	-	-	-	-	-
LAFTRDP-QoIs=1.0	0.03683	0.00185017	0.0140665	0.0115082	0.00779967	0.367473	0.000306	0.0443508	0.0443463	-	-	-	-	-	-	-	-	-
LAFTRDP-QoP=0.2	0.0172711	0.00115002	0.00486905	0.00244093	0.00719349	0.0155922	0.188239	0.008226	0.008226	0.083652	0.083652	0.083652	0.083652	-	-	-	-	-
LAFTRDP-QoP=0.5	0.0172711	0.00115002	0.00486905	0.00244093	0.00719349	0.0155922	0.188239	0.123616	0.082226	0.083652	0.083652	0.083652	0.083652	0.083652	-	-	-	-
LAFTRDP-QoP=0.7	0.0172711	0.00115002	0.00486905	0.00244093	0.00719349	0.0155922	0.188239	0.123616	0.082226	0.083652	0.083652	0.083652	0.083652	0.083652	0.083652	-	-	-
LAFTRDP-QoP=1.0	0.0172711	0.00115002	0.00486905	0.00244093	0.00719349	0.0155922	0.188239	0.123616	0.082226	0.083652	0.083652	0.083652	0.083652	0.083652	0.083652	0.083652	-	-
BEUTLDP	0.0164483	0.37104	0.658109	0.0666343	0.133975	0.0119539	0.0093473	0.0096571	0.0328627	0.0328627	0.0328627	0.0328627	0.0328627	0.00842418	0.00842418	0.00842418	0.00842418	0.00842418

Table 16: FU-score (DispEqOpp) for Titanic dataset

[illegible]

Table 17: Accuracy t-test results for German dataset

UnidR	UnidR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRDP-0.2	LAFTRDP-0.7	LAFTRDP-1.0	LAFTREqOdds-0.5	LAFTREqOdds-1.0	LAFTREqOpp-0.5	LAFTREqOpp-1.0	BEUTLADP
UnidR	0.306791	-	-	-	-	-	-	-	-	-	-	-
UnidR-decay	0.183567	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.183567	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.107103	0.373001	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.298015	0.238628	0.15858	-	-	-	-	-	-	-	-	-
LAFTRDP-0.2	0.481189	0.601852	0.756321	0.133965	0.258651	-	-	-	-	-	-	-
LAFTRDP-0.5	0.750389	0.0756321	0.0636532	-	0.337562	0.134762	0.426817	-	-	-	-	-
LAFTRDP-0.7	0.850086	0.054217	0.750389	0.0756321	-	-	-	-	-	-	-	-
LAFTRDP-1.0	0.243719	0.774076	0.106083	0.0262876	0.1017855	0.180004	0.827665	-	-	-	-	-
LAFTREqOdds-0.2	0.611329	0.129533	0.791988	-	0.688467	0.704	0.375901	-	-	-	-	-
LAFTREqOdds-0.5	0.31943	0.611329	0.129533	0.791988	-	0.688467	0.704	0.208	-	-	-	-
LAFTREqOdds-0.7	0.31943	0.611329	0.129533	0.791988	-	0.688467	0.704	0.208	-	-	-	-
LAFTREqOdds-1.0	0.31943	0.611329	0.129533	0.791988	-	0.688467	0.704	0.208	-	-	-	-
LAFTREqOpp-0.2	0.875955	0.0858104	0.153601	0.338155	0.338155	0.803533	0.0341094	-	-	-	-	-
LAFTREqOpp-0.5	0.163608	0.875955	0.0858104	0.153601	0.338155	0.803533	0.0341094	-	-	-	-	-
LAFTREqOpp-0.7	0.163608	0.875955	0.0858104	0.153601	0.338155	0.803533	0.0341094	-	-	-	-	-
LAFTREqOpp-1.0	0.163608	0.875955	0.0858104	0.153601	0.338155	0.803533	0.0341094	-	-	-	-	-
BEUTLADP	0.0025658	0.588682	0.0261515	0.0272469	0.103666	0.341976	0.387222	0.333223	0.333223	0.659131	0.659131	-

Table 18: DemDisp t-test results for German dataset

Unfair LR	Unfair LR-decay	Zhang DP	Zhang E ₀ Odds	Zhang E ₀ Opp	LAFTRDP-0.2	LAFTRDP-0.3	LAFTRDP-0.7	LAFTRDP-1.0	LAFTRDP-Odds=0.2	LAFTRDP-Odds=0.3	LAFTRDP-Odds=0.7	LAFTRDP-Odds=1.0	LAFTRDP-Opp=0.2	LAFTRDP-Opp=0.3	LAFTRDP-Opp=0.7	LAFTRDP-Opp=1.0	BRUTE LDP
Unfair LR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Unfair LR-decay	0.091035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zhang DP	0.0501874	0.029407	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zhang E ₀ Odds	0.194388	0.0314463	0.914128	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zhang E ₀ Opp	0.201091	0.0345959	0.28417	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.2	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.3	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.5	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.7	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-1.0	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Odds=0.2	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Odds=0.3	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Odds=0.7	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Odds=1.0	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Opp=0.2	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Opp=0.3	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Opp=0.7	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Opp=1.0	0.0501874	0.029407	0.914128	0.307761	-	-	-	-	-	-	-	-	-	-	-	-	-
BRUTE LDP	0.0470632	0.0276554	0.02953546	0.0321525	0.013688	0.00111499	0.0170566	0.00542071	0.00236269	0.00236269	0.00236269	0.00236269	0.0088721	0.0088721	0.0088721	0.0088721	-

Table 19: DispEqOdds t-test results for German dataset

[illegible]

Table 20: DispEqOpp t-test results for German dataset

UniairLR	UniairLR	UniairLR-decay	ZhangIDP	ZhangEqOpp	ZhangEqOpp	LAFTRIDP-0.1	LAFTRIDP-0.2	LAFTRIDP-0.3	LAFTRIDP-0.4	LAFTRIDP-0.5	LAFTRIDP-0.6	LAFTRIDP-0.7	LAFTRIDP-0.8	LAFTRIDP-0.9	BEUTELDP
UniairLR-decay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangIDP	1.98178e-06	0.000115342	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.0000107	0.000115342	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.1	0.0274389	5.76391e-05	0.32834	0.32834	0.32834	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.2	0.0274389	5.76391e-05	0.32834	0.32834	0.32834	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593
LAFTRIDP-0.3	0.000265409	0.0132267	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593	0.00374593
LAFTRIDP-0.4	4.10506e-05	0.0228244	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132	0.000456132
LAFTRIDP-0.5	0.000388081	0.023049	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866	0.000156866
LAFTRIDP-0.6	0.0592369	0.00542025	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717
LAFTRIDP-0.7	0.0592369	0.00542025	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717
LAFTRIDP-0.8	0.0592369	0.00542025	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717
LAFTRIDP-0.9	0.0592369	0.00542025	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717	0.00610717
LAFTRIDP-1.0	0.0012841	0.0414516	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207
LAFTRIDP-0.1	0.0012841	0.0414516	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207	0.00047207
BEUTELDP	0.0572387	0.0725939	0.0449842	0.0449842	0.02384	0.3083	0.3083	0.3083	0.3083	0.3083	0.3083	0.3083	0.3083	0.3083	0.3083

Table 21: FU-score (DemDisp) t-test results for German dataset

	UnfairLR	UnfairLR-deasy	UnfairLR-deasy	ZhangDP	ZhangEqOlds	ZhangEqOpp	LAFTRID ^{0.2}	LAFTRID ^{0.5}	LAFTRID ^{0.7}	LAFTRID ^{1.0}	LAFTRID ^{Opp-0.2}	LAFTRID ^{Opp-0.5}	LAFTRID ^{Opp-0.7}	LAFTRID ^{Opp-1.0}	BEUTELDP
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-deasy	0.170868	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.128191	0.124019	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOlds	0.321810	0.132328	0.134076	0.713404	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.318710	0.233869	0.099312	0.699312	0.134076	-	-	-	-	-	-	-	-	-	-
LAFTRID ^{0.2}	0.532525	0.435825	0.435825	0.532525	0.435825	0.435825	-	-	-	-	-	-	-	-	-
LAFTRID ^{0.5}	0.530883	0.688806	0.36157	0.36157	0.431506	0.722881	-	-	-	-	-	-	-	-	-
LAFTRID ^{0.7}	0.584811	0.119981	0.36260	0.36260	0.421791	0.687235	0.530109	-	-	-	-	-	-	-	-
LAFTRID ^{1.0}	0.768148	0.0057143	0.438065	0.438065	0.521117	0.824199	0.813001	0.310442	-	-	-	-	-	-	-
LAFTRID ^{Opp-0.2}	0.520338	0.102801	0.278881	0.278881	0.350074	0.654601	0.558848	0.747654	0.903817	0.371996	-	-	-	-	-
LAFTRID ^{Opp-0.5}	0.520338	0.102801	0.278881	0.278881	0.350074	0.654601	0.558848	0.747654	0.903817	0.371996	-	-	-	-	-
LAFTRID ^{Opp-0.7}	0.520338	0.102801	0.278881	0.278881	0.350074	0.654601	0.558848	0.747654	0.903817	0.371996	-	-	-	-	-
LAFTRID ^{Opp-1.0}	0.520338	0.102801	0.278881	0.278881	0.350074	0.654601	0.558848	0.747654	0.903817	0.371996	-	-	-	-	-
LAFTRID ^{Opp-0.2}	0.533905	0.102408	0.542868	0.542868	0.631545	0.922693	0.987671	0.601217	0.503608	0.733681	0.413955	-	-	-	-
LAFTRID ^{Opp-0.5}	0.533905	0.102408	0.542868	0.542868	0.631545	0.922693	0.987671	0.601217	0.503608	0.733681	0.413955	-	-	-	-
LAFTRID ^{Opp-0.7}	0.533905	0.102408	0.542868	0.542868	0.631545	0.922693	0.987671	0.601217	0.503608	0.733681	0.413955	-	-	-	-
LAFTRID ^{Opp-1.0}	0.533905	0.102408	0.542868	0.542868	0.631545	0.922693	0.987671	0.601217	0.503608	0.733681	0.413955	-	-	-	-
BEUTELDP	0.126070	0.557542	0.0920229	0.0920229	0.101739	0.218339	0.172327	0.4069114	0.1184	0.0717649	0.077985	0.0865135	0.0865135	0.0865135	-

Table 22: FU-score (DispEqOdds) for German dataset

UniairR	UniairR	UniairR-decay	ZhangDP	ZhangDP-Qtds	ZhangDP-Qpp	LAFTRDP-Q2	LAFTRDP-Q3	LAFTRDP-Q4	LAFTRDP-Q5	LAFTRDP-Q6	LAFTRDP-Q7	LAFTRDP-Q8	LAFTRDP-Q9	LAFTRDP-Q10	LAFTRDP-Q11	LAFTRDP-Q12	LAFTRDP-Q13	LAFTRDP-Q14	LAFTRDP-Q15	LAFTRDP-Q16	LAFTRDP-Q17	LAFTRDP-Q18	LAFTRDP-Q19	LAFTRDP-Q20	LAFTRDP-Q21	LAFTRDP-Q22	LAFTRDP-Q23	LAFTRDP-Q24	LAFTRDP-Q25	LAFTRDP-Q26	LAFTRDP-Q27	LAFTRDP-Q28	LAFTRDP-Q29	LAFTRDP-Q30	LAFTRDP-Q31	LAFTRDP-Q32	LAFTRDP-Q33	LAFTRDP-Q34	LAFTRDP-Q35	LAFTRDP-Q36	LAFTRDP-Q37	LAFTRDP-Q38	LAFTRDP-Q39	LAFTRDP-Q40	LAFTRDP-Q41	LAFTRDP-Q42	LAFTRDP-Q43	LAFTRDP-Q44	LAFTRDP-Q45	LAFTRDP-Q46	LAFTRDP-Q47	LAFTRDP-Q48	LAFTRDP-Q49	LAFTRDP-Q50	LAFTRDP-Q51	LAFTRDP-Q52	LAFTRDP-Q53	LAFTRDP-Q54	LAFTRDP-Q55	LAFTRDP-Q56	LAFTRDP-Q57	LAFTRDP-Q58	LAFTRDP-Q59	LAFTRDP-Q60	LAFTRDP-Q61	LAFTRDP-Q62	LAFTRDP-Q63	LAFTRDP-Q64	LAFTRDP-Q65	LAFTRDP-Q66	LAFTRDP-Q67	LAFTRDP-Q68	LAFTRDP-Q69	LAFTRDP-Q70	LAFTRDP-Q71	LAFTRDP-Q72	LAFTRDP-Q73	LAFTRDP-Q74	LAFTRDP-Q75	LAFTRDP-Q76	LAFTRDP-Q77	LAFTRDP-Q78	LAFTRDP-Q79	LAFTRDP-Q80	LAFTRDP-Q81	LAFTRDP-Q82	LAFTRDP-Q83	LAFTRDP-Q84	LAFTRDP-Q85	LAFTRDP-Q86	LAFTRDP-Q87	LAFTRDP-Q88	LAFTRDP-Q89	LAFTRDP-Q90	LAFTRDP-Q91	LAFTRDP-Q92	LAFTRDP-Q93	LAFTRDP-Q94	LAFTRDP-Q95	LAFTRDP-Q96	LAFTRDP-Q97	LAFTRDP-Q98	LAFTRDP-Q99	LAFTRDP-Q100	LAFTRDP-Q101	LAFTRDP-Q102	LAFTRDP-Q103	LAFTRDP-Q104	LAFTRDP-Q105	LAFTRDP-Q106	LAFTRDP-Q107	LAFTRDP-Q108	LAFTRDP-Q109	LAFTRDP-Q110	LAFTRDP-Q111	LAFTRDP-Q112	LAFTRDP-Q113	LAFTRDP-Q114	LAFTRDP-Q115	LAFTRDP-Q116	LAFTRDP-Q117	LAFTRDP-Q118	LAFTRDP-Q119	LAFTRDP-Q120	LAFTRDP-Q121	LAFTRDP-Q122	LAFTRDP-Q123	LAFTRDP-Q124	LAFTRDP-Q125	LAFTRDP-Q126	LAFTRDP-Q127	LAFTRDP-Q128	LAFTRDP-Q129	LAFTRDP-Q130	LAFTRDP-Q131	LAFTRDP-Q132	LAFTRDP-Q133	LAFTRDP-Q134	LAFTRDP-Q135	LAFTRDP-Q136	LAFTRDP-Q137	LAFTRDP-Q138	LAFTRDP-Q139	LAFTRDP-Q140	LAFTRDP-Q141	LAFTRDP-Q142	LAFTRDP-Q143	LAFTRDP-Q144	LAFTRDP-Q145	LAFTRDP-Q146	LAFTRDP-Q147	LAFTRDP-Q148	LAFTRDP-Q149	LAFTRDP-Q150	LAFTRDP-Q151	LAFTRDP-Q152	LAFTRDP-Q153	LAFTRDP-Q154	LAFTRDP-Q155	LAFTRDP-Q156	LAFTRDP-Q157	LAFTRDP-Q158	LAFTRDP-Q159	LAFTRDP-Q160	LAFTRDP-Q161	LAFTRDP-Q162	LAFTRDP-Q163	LAFTRDP-Q164	LAFTRDP-Q165	LAFTRDP-Q166	LAFTRDP-Q167	LAFTRDP-Q168	LAFTRDP-Q169	LAFTRDP-Q170	LAFTRDP-Q171	LAFTRDP-Q172	LAFTRDP-Q173	LAFTRDP-Q174	LAFTRDP-Q175	LAFTRDP-Q176	LAFTRDP-Q177	LAFTRDP-Q178	LAFTRDP-Q179	LAFTRDP-Q180	LAFTRDP-Q181	LAFTRDP-Q182	LAFTRDP-Q183	LAFTRDP-Q184	LAFTRDP-Q185	LAFTRDP-Q186	LAFTRDP-Q187	LAFTRDP-Q188	LAFTRDP-Q189	LAFTRDP-Q190	LAFTRDP-Q191	LAFTRDP-Q192	LAFTRDP-Q193	LAFTRDP-Q194	LAFTRDP-Q195	LAFTRDP-Q196	LAFTRDP-Q197	LAFTRDP-Q198	LAFTRDP-Q199	LAFTRDP-Q200	LAFTRDP-Q201	LAFTRDP-Q202	LAFTRDP-Q203	LAFTRDP-Q204	LAFTRDP-Q205	LAFTRDP-Q206	LAFTRDP-Q207	LAFTRDP-Q208	LAFTRDP-Q209	LAFTRDP-Q210	LAFTRDP-Q211	LAFTRDP-Q212	LAFTRDP-Q213	LAFTRDP-Q214	LAFTRDP-Q215	LAFTRDP-Q216	LAFTRDP-Q217	LAFTRDP-Q218	LAFTRDP-Q219	LAFTRDP-Q220	LAFTRDP-Q221	LAFTRDP-Q222	LAFTRDP-Q223	LAFTRDP-Q224	LAFTRDP-Q225	LAFTRDP-Q226	LAFTRDP-Q227	LAFTRDP-Q228	LAFTRDP-Q229	LAFTRDP-Q230	LAFTRDP-Q231	LAFTRDP-Q232	LAFTRDP-Q233	LAFTRDP-Q234	LAFTRDP-Q235	LAFTRDP-Q236	LAFTRDP-Q237	LAFTRDP-Q238	LAFTRDP-Q239	LAFTRDP-Q240	LAFTRDP-Q241	LAFTRDP-Q242	LAFTRDP-Q243	LAFTRDP-Q244	LAFTRDP-Q245	LAFTRDP-Q246	LAFTRDP-Q247	LAFTRDP-Q248	LAFTRDP-Q249	LAFTRDP-Q250	LAFTRDP-Q251	LAFTRDP-Q252	LAFTRDP-Q253	LAFTRDP-Q254	LAFTRDP-Q255	LAFTRDP-Q256	LAFTRDP-Q257	LAFTRDP-Q258	LAFTRDP-Q259	LAFTRDP-Q260	LAFTRDP-Q261	LAFTRDP-Q262	LAFTRDP-Q263	LAFTRDP-Q264	LAFTRDP-Q265	LAFTRDP-Q266	LAFTRDP-Q267	LAFTRDP-Q268	LAFTRDP-Q269	LAFTRDP-Q270	LAFTRDP-Q271	LAFTRDP-Q272	LAFTRDP-Q273	LAFTRDP-Q274	LAFTRDP-Q275	LAFTRDP-Q276	LAFTRDP-Q277	LAFTRDP-Q278	LAFTRDP-Q279	LAFTRDP-Q280	LAFTRDP-Q281	LAFTRDP-Q282	LAFTRDP-Q283	LAFTRDP-Q284	LAFTRDP-Q285	LAFTRDP-Q286	LAFTRDP-Q287	LAFTRDP-Q288	LAFTRDP-Q289	LAFTRDP-Q290	LAFTRDP-Q291	LAFTRDP-Q292	LAFTRDP-Q293	LAFTRDP-Q294	LAFTRDP-Q295	LAFTRDP-Q296	LAFTRDP-Q297	LAFTRDP-Q298	LAFTRDP-Q299	LAFTRDP-Q300	LAFTRDP-Q301	LAFTRDP-Q302	LAFTRDP-Q303	LAFTRDP-Q304	LAFTRDP-Q305	LAFTRDP-Q306	LAFTRDP-Q307	LAFTRDP-Q308	LAFTRDP-Q309	LAFTRDP-Q310	LAFTRDP-Q311	LAFTRDP-Q312	LAFTRDP-Q313	LAFTRDP-Q314	LAFTRDP-Q315	LAFTRDP-Q316	LAFTRDP-Q317	LAFTRDP-Q318	LAFTRDP-Q319	LAFTRDP-Q320	LAFTRDP-Q321	LAFTRDP-Q322	LAFTRDP-Q323	LAFTRDP-Q324	LAFTRDP-Q325	LAFTRDP-Q326	LAFTRDP-Q327	LAFTRDP-Q328	LAFTRDP-Q329	LAFTRDP-Q330	LAFTRDP-Q331	LAFTRDP-Q332	LAFTRDP-Q333	LAFTRDP-Q334	LAFTRDP-Q335	LAFTRDP-Q336	LAFTRDP-Q337	LAFTRDP-Q338	LAFTRDP-Q339	LAFTRDP-Q340	LAFTRDP-Q341	LAFTRDP-Q342	LAFTRDP-Q343	LAFTRDP-Q344	LAFTRDP-Q345	LAFTRDP-Q346	LAFTRDP-Q347	LAFTRDP-Q348	LAFTRDP-Q349	LAFTRDP-Q350	LAFTRDP-Q351	LAFTRDP-Q352	LAFTRDP-Q353	LAFTRDP-Q354	LAFTRDP-Q355	LAFTRDP-Q356	LAFTRDP-Q357	LAFTRDP-Q358	LAFTRDP-Q359	LAFTRDP-Q360	LAFTRDP-Q361	LAFTRDP-Q362	LAFTRDP-Q363	LAFTRDP-Q364	LAFTRDP-Q365	LAFTRDP-Q366	LAFTRDP-Q367	LAFTRDP-Q368	LAFTRDP-Q369	LAFTRDP-Q370	LAFTRDP-Q371	LAFTRDP-Q372	LAFTRDP-Q373	LAFTRDP-Q374	LAFTRDP-Q375	LAFTRDP-Q376	LAFTRDP-Q377	LAFTRDP-Q378	LAFTRDP-Q379	LAFTRDP-Q380	LAFTRDP-Q381	LAFTRDP-Q382	LAFTRDP-Q383	LAFTRDP-Q384	LAFTRDP-Q385	LAFTRDP-Q386	LAFTRDP-Q387	LAFTRDP-Q388	LAFTRDP-Q389	LAFTRDP-Q390	LAFTRDP-Q391	LAFTRDP-Q392	LAFTRDP-Q393	LAFTRDP-Q394	LAFTRDP-Q395	LAFTRDP-Q396	LAFTRDP-Q397	LAFTRDP-Q398	LAFTRDP-Q399	LAFTRDP-Q400	LAFTRDP-Q401	LAFTRDP-Q402	LAFTRDP-Q403	LAFTRDP-Q404	LAFTRDP-Q405	LAFTRDP-Q406	LAFTRDP-Q407	LAFTRDP-Q408	LAFTRDP-Q409	LAFTRDP-Q410	LAFTRDP-Q411	LAFTRDP-Q412	LAFTRDP-Q413	LAFTRDP-Q414	LAFTRDP-Q415	LAFTRDP-Q416	LAFTRDP-Q417	LAFTRDP-Q418	LAFTRDP-Q419	LAFTRDP-Q420	LAFTRDP-Q421	LAFTRDP-Q422	LAFTRDP-Q423	LAFTRDP-Q424	LAFTRDP-Q425	LAFTRDP-Q426	LAFTRDP-Q427	LAFTRDP-Q428	LAFTRDP-Q429	LAFTRDP-Q430	LAFTRDP-Q431	LAFTRDP-Q432	LAFTRDP-Q433	LAFTRDP-Q434	LAFTRDP-Q435	LAFTRDP-Q436	LAFTRDP-Q437	LAFTRDP-Q438	LAFTRDP-Q439	LAFTRDP-Q440	LAFTRDP-Q441	LAFTRDP-Q442	LAFTRDP-Q443	LAFTRDP-Q444	LAFTRDP-Q445	LAFTRDP-Q446	LAFTRDP-Q447	LAFTRDP-Q448	LAFTRDP-Q449	LAFTRDP-Q450	LAFTRDP-Q451	LAFTRDP-Q452	LAFTRDP-Q453	LAFTRDP-Q454	LAFTRDP-Q455	LAFTRDP-Q456	LAFTRDP-Q457	LAFTRDP-Q458	LAFTRDP-Q459	LAFTRDP-Q460	LAFTRDP-Q461	LAFTRDP-Q462	LAFTRDP-Q463	LAFTRDP-Q464	LAFTRDP-Q465	LAFTRDP-Q466	LAFTRDP-Q467	LAFTRDP-Q468	LAFTRDP-Q469	LAFTRDP-Q470	LAFTRDP-Q471	LAFTRDP-Q472	LAFTRDP-Q473	LAFTRDP-Q474	LAFTRDP-Q475	LAFTRDP-Q476	LAFTRDP-Q477	LAFTRDP-Q478	LAFTRDP-Q479	LAFTRDP-Q480	LAFTRDP-Q481	LAFTRDP-Q482	LAFTRDP-Q483	LAFTRDP-Q484	LAFTRDP-Q485	LAFTRDP-Q486	LAFTRDP-Q487	LAFTRDP-Q488	LAFTRDP-Q489	LAFTRDP-Q490	LAFTRDP-Q491	LAFTRDP-Q492	LAFTRDP-Q493	LAFTRDP-Q494	LAFTRDP-Q495	LAFTRDP-Q496	LAFTRDP-Q497	LAFTRDP-Q498	LAFTRDP-Q499	LAFTRDP-Q500	LAFTRDP-Q501	LAFTRDP-Q502	LAFTRDP-Q503	LAFTRDP-Q504	LAFTRDP-Q505	LAFTRDP-Q506	LAFTRDP-Q507	LAFTRDP-Q508	LAFTRDP-Q509	LAFTRDP-Q510	LAFTRDP-Q511	LAFTRDP-Q512	LAFTRDP-Q513	LAFTRDP-Q514	LAFTRDP-Q515	LAFTRDP-Q516	LAFTRDP-Q517	LAFTRDP-Q518	LAFTRDP-Q519	LAFTRDP-Q520	LAFTRDP-Q521	LAFTRDP-Q522	LAFTRDP-Q523	LAFTRDP-Q524	LAFTRDP-Q525	LAFTRDP-Q526	LAFTRDP-Q527	LAFTRDP-Q528	LAFTRDP-Q529	LAFTRDP-Q530	LAFTRDP-Q531	LAFTRDP-Q532	LAFTRDP-Q533	LAFTRDP-Q534	LAFTRDP-Q535	LAFTRDP-Q536	LAFTRDP-Q537	LAFTRDP-Q538	LAFTRDP-Q539	LAFTRDP-Q540	LAFTRDP-Q541	LAFTRDP-Q542	LAFTRDP-Q543	LAFTRDP-Q544	LAFTRDP-Q545	LAFTRDP-Q546	LAFTRDP-Q547	LAFTRDP-Q548	LAFTRDP-Q549	LAFTRDP-Q550	LAFTRDP-Q551	LAFTRDP-Q552	LAFTRDP-Q553	LAFTRDP-Q554	LAFTRDP-Q555	LAFTRDP-Q556	LAFTRDP-Q557	LAFTRDP-Q558	LAFTRDP-Q559	LAFTRDP-Q560	LAFTRDP-Q561	LAFTRDP-Q562	LAFTRDP-Q563	LAFTRDP-Q564	LAFTRDP-Q565	LAFTRDP-Q566	LAFTRDP-Q567	LAFTRDP-Q568	LAFTRDP-Q569	LAFTRDP-Q570	LAFTRDP-Q571	LAFTRDP-Q572	LAFTRDP-Q573	LAFTRDP-Q574	LAFTRDP-Q575	LAFTRDP-Q576	LAFTRDP-Q577	LAFTRDP-Q578	LAFTRDP-Q579	LAFTRDP-Q580	LAFTRDP-Q581	LAFTRDP-Q582	LAFTRDP-Q583	LAFTRDP-Q584	LAFTRDP-Q585	LAFTRDP-Q586	LAFTRDP-Q587	LAFTRDP-Q588	LAFTRDP-Q589	LAFTRDP-Q590	LAFTRDP-Q591	LAFTRDP-Q592	LAFTRDP-Q593	LAFTRDP-Q594	LAFTRDP-Q595	LAFTRDP-Q596	LAFTRDP-Q597	LAFTRDP-Q598	LAFTRDP-Q599	LAFTRDP-Q600	LAFTRDP-Q601	LAFTRDP-Q602	LAFTRDP-Q603	LAFTRDP-Q604	LAFTRDP-Q605	LAFTRDP-Q606	LAFTRDP-Q607	LAFTRDP-Q608	LAFTRDP-Q609	LAFTRDP-Q610	LAFTRDP-Q611	LAFTRDP-Q612	LAFTRDP-Q613	LAFTRDP-Q614	LAFTRDP-Q615	LAFTRDP-Q616	LAFTRDP-Q617	LAFTRDP-Q618	LAFTRDP-Q619	LAFTRDP-Q620	LAFTRDP-Q621	LAFTRDP-Q622	LAFTRDP-Q623	LAFTRDP-Q624	LAFTRDP-Q625	LAFTRDP-Q626	LAFTRDP-Q627	LAFTRDP-Q628	LAFTRDP-Q629	LAFTRDP-Q630	LAFTRDP-Q631	LAFTRDP-Q632	LAFTRDP-Q633	LAFTRDP-Q634	LAFTRDP-Q635	LAFTRDP-Q636	LAFTRDP-Q637	LAFTRDP-Q638	LAFTRDP-Q639	LAFTRDP-Q640	LAFTRDP-Q641	LAFTRDP-Q642	LAFTRDP-Q643	LAFTRDP-Q644	LAFTRDP-Q645	LAFTRDP-Q646	LAFTRDP-Q647	LAFTRDP-Q648	LAFTRDP-Q649	LAFTRDP-Q650	LAFTRDP-Q651	LAFTRDP-Q652	LAFTRDP-Q653	LAFTRDP-Q654	LAFTRDP-Q655	LAFTRDP-Q656	LAFTRDP-Q657	LAFTRDP-Q658	LAFTRDP-Q659	LAFTRDP-Q660	LAFTRDP-Q661	LAFTRDP-Q662	LAFTRDP-Q663	LAFTRDP-Q664	LAFTRDP-Q665	LAFTRDP-Q666	LAFTRDP-Q667	LAFTRDP-Q668	LAFTRDP-Q669	LAFTRDP-Q670	LAFTRDP-Q671	LAFTRDP-Q672	LAFTRDP-Q673	LAFTRDP-Q674	LAFTRDP-Q675	LAFTRDP-Q676	LAFTRDP-Q677	LAFTRDP-Q678	LAFTRDP-Q679	LAFTRDP-Q680	LAFTRDP-Q681	LAFTRDP-Q682	LAFTRDP-Q683	LAFTRDP-Q684	LAFTRDP-Q685	LAFTRDP-Q686	LAFTRDP-Q687	LAFTRDP-Q688	LAFTRDP-Q689	LAFTRDP-Q690	LAFTRDP-Q691	LAFTRDP-Q692	LAFTRDP-Q693	LAFTRDP-Q694	LAFTRDP-Q695	LAFTRDP-Q696	LAFTRDP-Q697	LAFTRDP-Q698	LAFTRDP-Q699	LAFTRDP-Q700	LAFTRDP-Q701	LAFTRDP-Q702	LAFTRDP-Q703	LAFTRDP-Q704	LAFTRDP-Q705	LAFTRDP-Q706	LAFTRDP-Q707	LAFTRDP-Q708	LAFTRDP-Q709	LAFTRDP-Q710	LAFTRDP-Q711	LAFTRDP-Q712	LAFTRDP-Q713	LAFTRDP-Q714	LAFTRDP-Q715	LAFTRDP-Q716	LAFTRDP-Q717	LAFTRDP-Q718	LAFTRDP-Q719	LAFTRDP-Q720	LAFTRDP-Q721	LAFTRDP-Q722	LAFTRDP-Q723	LAFTRDP-Q724	LAFTRDP-Q725	LAFTRDP-Q726	LAFTRDP-Q727	LAFTRDP-Q728	LAFTRDP-Q729	LAFTRDP-Q730	LAFTRDP-Q731	LAFTRDP-Q732	LAFTRDP-Q733	LAFTRDP-Q734	LAFTRDP-Q735	LAFTRDP-Q736	LAFTRDP-Q737	LAFTRDP-Q738	LAFTRDP-Q739	LAFTRDP-Q740	LAFTRDP-Q741	LAFTRDP-Q742	LAFTRDP-Q743	LAFTRDP-Q744	LAFTRDP-Q745	LAFTRDP-Q746	LAFTRDP-Q747	LAFTRDP-Q748	LAFTRDP-Q749	LAFTRDP-Q750	LAFTRDP-Q751	LAFTRDP-Q752	LAFTRDP-Q753	LAFTRDP-Q754	LAFTRDP-Q755	LAFTRDP-Q756	LAFTRDP-Q757	LAFTRDP-Q758	LAFTRDP-Q759	LAFTRDP-Q760	LAFTRDP-Q761	LAFTRDP-Q762	LAFTRDP-Q763	LAFTRDP-Q764	LAFTRDP-Q765	LAFTRDP-Q766	LAFTRDP-Q767	LAFTRDP-Q768	LAFTRDP-Q769	LAFTRDP-Q770	LAFTRDP-Q771	LAFTRDP-Q772	LAFTRDP-Q773	LAFTRDP-Q774	LAFTRDP-Q775	LAFTRDP-Q776	LAFTRDP-Q777	LAFTRDP-Q778	LAFTRDP-Q779	LAFTRDP-Q780	LAFTRDP-Q781	LAFTRDP-Q782	LAFTRDP-Q783	LAFTRDP-Q784	LAFTRDP-Q785	LAFTRDP-Q786	LAFTRDP-Q787	LAFTRDP-Q788	LAFTRDP-Q789	LAFTRDP-Q790	LAFTRDP-Q791	LAFTRDP-Q792	LAFTRDP-Q793	LAFTRDP-Q794	LAFTRDP-Q795	LAFTRDP-Q796	LAFTRDP-Q797	LAFTRDP-Q798	LAFTRDP-Q799	LAFTRDP-Q800	LAFTRDP-Q801	LAFTRDP-Q802	LAFTRDP-Q803	LAFTRDP-Q804	LAFTRDP-Q805	LAFTRDP-Q806	LAFTRDP-Q807	LAFTRDP-Q808	LAFTRDP-Q809	LAFTRDP-Q810	LAFTRDP-Q811	LAFTRDP-Q812	LAFTRDP-Q813	LAFTRDP-Q814	LAFTRDP-Q815	LAFTRDP-Q816	LAFTRDP-Q817	LAFTRDP-Q818	LAFTRDP-Q819	LAFTRDP-Q820	LAFTRDP-Q821	LAFTRDP-Q822	LAFTRDP-Q823	LAFTRDP-Q824	LAFTRDP-Q825	LAFTRDP-Q826	LAFTRDP-Q827	LAFTRDP-Q828	LAFTRDP-Q829	LAFTRDP-Q830	LAFTRDP-Q831	LAFTRDP-Q832	LAFTRDP-Q833	LAFTRDP-Q834	LAFTRDP-Q835	LAFTRDP-Q836	LAFTRDP-Q837	LAFTRDP-Q838	LAFTRDP-Q839	LAFTRDP-Q840	LAFTRDP-Q841	LAFTRDP-Q842	LAFTRDP-Q843	LAFTRDP-Q844	LAFTRDP-Q845	LAFTRDP-Q846	LAFTRDP-Q847	LAFTRDP-Q848	LAFTRDP-Q849	LAFTRDP-Q850	LAFTRDP-Q851	LAFTRDP-Q852	LAFTRDP-Q853	LAFTRDP-Q854	LAFTRDP-Q855	LAFTRDP-Q856	LAFTRDP-Q857	LAFTRDP-Q858	LAFTRDP-Q859	LAFTRDP-Q860	LAFTRDP-Q861	LAFTRDP-Q862	LAFTRDP-Q863	LAFTRDP-Q864	LAFTRDP-Q865	LAFTRDP-Q866	LAFTRDP-Q867	LAFTRDP-Q868	LAFTRDP-Q869	LAFTRDP-Q870	LAFTRDP-Q871	LAFTRDP-Q872	LAFTRDP-Q873	LAFTRDP-Q874	LAFTRDP-Q875	LAFTRDP-Q876	LAFTRDP-Q877	LAFTRDP-Q878	LAFTRDP-Q879	LAFTRDP-Q880	LAFTRDP-Q881	LAFTRDP-Q882	LAFTRDP-Q883	LAFTRDP-Q884	LAFTRDP-Q885	LAFTRDP-Q886	LAFTRDP-Q887	LAFTRDP-Q888	LAFTRDP-Q889	LAFTRDP-Q890	LAFTRDP-Q891	LAFTRDP-Q892	LAFTRDP-Q893	LAFTRDP-Q894	LAFTRDP-Q895	LAFTRDP-Q896	LAFTRDP-Q897	LAFTRDP-Q898	LAFTRDP-Q899	LAFTRDP-Q900	LAFTRDP-Q901	LAFTRDP-Q902	LAFTRDP-Q903	LAFTRDP-Q904	LAFTRDP-Q905	LAFTRDP-Q906	LAFTRDP-Q907	LAFTRDP-Q908	LAFTRDP-Q909	LAFTRDP-Q910	LAFTRDP-Q911	LAFTRDP-Q912	LAFTRDP-Q913	LAFTRDP-Q914	LAFTRDP-Q915	LAFTRDP-Q916	LAFTRDP-Q917	LAFTRDP-Q918	LAFTRDP-Q919	LAFTRDP-Q920	LAFTRDP-Q921	LAFTRDP-Q922	LAFTRDP-Q923	LAFTRDP-Q924	LAFTRDP-Q925	LAFTRDP-Q926	LAFTRDP-Q927	LAFTRDP-Q928	LAFTRDP-Q929	LAFTRDP-Q930	LAFTRDP-Q931	LAFTRDP-Q932	LAFTRDP-Q933	LAFTRDP-Q934	LAFTRDP-Q935	LAFTRDP-Q936	LAFTRDP-Q937	LAFTRDP-Q938	LAFTRDP-Q939	LAFTRDP-Q940	LAFTRDP-Q941	LAFTRDP-Q942	LAFTRDP-Q943	LAFTRDP-Q944	LAFTRDP-Q945	LAFTRDP-Q946	LAFTRDP-Q947	LAFTRDP-Q948	LAFTRDP-Q949	LAFTRDP-Q950	LAFTRDP-Q951	LAFTRDP-Q952	LAFTRDP-Q953	LAFTRDP-Q954	LAFTRDP-Q955	LAFTRDP-Q956	LAFTRDP-Q957	LAFTRDP-Q958	LAFTRDP-Q959	LAFTRDP-Q960	LAFTRDP-Q961	LAFTRDP-Q962	LAFTRDP-Q963	LAFTRDP-Q964	LAFTRDP-Q965	LAFTRDP-Q966	LAFTRDP-Q967	LAFTRDP-Q968	LAFTRDP-Q969	LAFTRDP-Q970	LAFTRDP-Q971	LAFTRDP-Q972	LAFTRDP-Q973	LAFTRDP-Q974	LAFTRDP-Q975	LAFTRDP-Q976	LAFTRDP-Q977	LAFTRDP-Q978	LAFTRDP-Q979	LAFTRDP-Q980	LAFTRDP-Q981	LAFTRDP-Q982	LAFTRDP-Q983	LAFTRDP-Q984	LAFTRDP-Q985	LAFTRDP-Q986	LAFTRDP-Q987	LAFTRDP-Q988	LAFTRDP-Q989	LAFTRDP-Q990	LAFTRDP-Q991	LAFTRDP-Q992	LAFTRDP-Q993	LAFTRDP-Q994	LAFTRDP-Q995	LAFTRDP-Q996	LAFTRDP-Q997	LAFTRDP-Q998	LAFTRDP-Q999	LAFTRDP-Q1000	LAFTRDP-Q1001	LAFTRDP-Q1002	LAFTRDP-Q1003	LAFTRDP-Q1004	LAFTRDP-Q1005	LAFTRDP-Q1006	LAFTRDP-Q1007	LAFTRDP-Q1008	LAFTRDP-Q1009	LAFTRDP-Q1010	LAFTRDP-Q1011	LAFTRDP-Q1012	LAFTRDP-Q1013	LAFTRDP-Q1014	LAFTRDP-Q1015	LAFTRDP-Q1016	LAFTRDP-Q1017	LAFTRDP-Q1018	LAFTRDP-Q1019	LAFTRDP-Q1020	LAFTRDP-Q1021	LAFTRDP-Q1022	LAFTRDP-Q1023	LAFTRDP-Q1024	LAFTRDP-Q1025	LAFTRDP-Q1026	LAFTRDP-Q1027	LAFTRDP-Q1028	LAFTRDP-Q1029	LAFTRDP-Q1030	LAFTRDP-Q1031	LAFTRDP-Q1032	LAFTRDP-Q1033	LAFTRDP-Q1034
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Table 23: FU-score (DispEqOpp) for German dataset

[illegible]

Table 24: Accuracy t-test results for Adult dataset

[illegible]

Table 25: DemDisp t-test results for Adult dataset

	UnfairLR	UnfairLR-decay	ZhangIDP	ZhangEqOdds	ZhangEqOpp	LAFTRIDP-0.1	LAFTRIDP-0.2	LAFTRIDP-0.3	LAFTRIDP-0.7	LAFTRIDP-0.9	LAFTRIDP-1.0	LAFTRIDP-0.1	LAFTRIDP-0.2	LAFTRIDP-0.3	LAFTRIDP-0.7	LAFTRIDP-0.9	LAFTRIDP-1.0	BRUTEIDP
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.0887488	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangIDP	0.128857	0.26059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.0375136	0.590698	0.0290636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.0978059	0.238547	0.260882	0.0251998	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-0.1	0.0887488	0.26059	0.0290636	0.0251998	0.141504	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.5	0.0131745	0.012021	0.0123043	0.0108669	0.0110973	0.00163237	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-1.0	0.00082404	0.000885449	0.000753601	0.000105074	0.000109011	0.000330648	0.00174721	0.00159603	0.00161048	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.2	0.00578434	0.00366727	0.00324062	0.00281524	0.00312117	0.000487783	0.0229644	0.0229644	0.0140474	3.5166e-05	-	-	-	-	-	-	-	-
LAFTRIDP-0.7	0.00578434	0.00366727	0.00324062	0.00281524	0.00312117	0.000487783	0.0229644	0.0229644	0.0140474	3.5166e-05	-	-	-	-	-	-	-	-
LAFTRIDP-0.9	0.00578434	0.00366727	0.00324062	0.00281524	0.00312117	0.000487783	0.0229644	0.0229644	0.0140474	3.5166e-05	-	-	-	-	-	-	-	-
LAFTRIDP-0.5	0.00110945	0.00117479	0.00106632	0.000896221	0.00097546	0.002315802	0.002385	0.002385	0.00118064	0.000138426	0.000138426	0.000138426	-	-	-	-	-	-
LAFTRIDP-0.7	0.00110945	0.00117479	0.00106632	0.000896221	0.00097546	0.002315802	0.002385	0.002385	0.00118064	0.000138426	0.000138426	0.000138426	0.000138426	-	-	-	-	-
LAFTRIDP-0.9	0.00110945	0.00117479	0.00106632	0.000896221	0.00097546	0.002315802	0.002385	0.002385	0.00118064	0.000138426	0.000138426	0.000138426	0.000138426	0.000138426	-	-	-	-
LAFTRIDP-1.0	0.00110945	0.00117479	0.00106632	0.000896221	0.00097546	0.002315802	0.002385	0.002385	0.00118064	0.000138426	0.000138426	0.000138426	0.000138426	0.000138426	0.000138426	-	-	-
BRUTEIDP	0.50506	0.49016	0.50726	0.50681	0.512633	0.548259	0.651113	0.745043	0.786726	0.890221	0.870551	0.870551	0.870551	0.870551	0.870551	0.870551	0.870551	-

Table 26: DispEqOdds t-test results for Adult dataset

UnfairLR	UnfairLR	UnfairLR-decay	ZhangIDP	ZhangEqOdds	ZhangEqOpp	LAFTRIDP-0.2	LAFTRIDP-0.5	LAFTRIDP-0.7	LAFTRIDP-1.0	LAFTREqOdds-0.2	LAFTREqOdds-0.5	LAFTREqOdds-0.7	LAFTREqOdds-1.0	LAFTREqOpp-0.2	LAFTREqOpp-0.5	LAFTREqOpp-0.7	LAFTREqOpp-1.0	BEUTELDP
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.0002825058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangIDP	0.302501	0.0006204122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.112005	0.0004653103	0.0206415	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.28183	0.000562228	0.0301575	0.057290	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.2	0.000438075	0.000562228	0.0301575	0.057290	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.5	0.000844861	1.185333e-05	0.001189	0.00118616	0.0010778	0.00124668	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.7	0.000438075	3.49875e-05	0.00273489	0.000232328	0.00035619	0.003386541	0.0492506	0.0402839	-	-	-	-	-	-	-	-	-	-
LAFTREqOdds-0.2	0.0012817	0.000128477	0.009665723	0.000718669	0.000893296	0.003386541	0.051197	0.0510649	0.130242	-	-	-	-	-	-	-	-	-
LAFTREqOdds-0.5	0.000101185	4.68349e-06	6.85322e-05	8.76378e-05	0.000103827	0.000104355	0.0510649	0.0510649	0.130242	-	-	-	-	-	-	-	-	-
LAFTREqOdds-0.7	0.000101185	4.68349e-06	6.85322e-05	8.76378e-05	0.000103827	0.000104355	0.0510649	0.0510649	0.130242	-	-	-	-	-	-	-	-	-
LAFTREqOdds-1.0	0.000101185	4.68349e-06	6.85322e-05	8.76378e-05	0.000103827	0.000104355	0.0510649	0.0510649	0.130242	-	-	-	-	-	-	-	-	-
LAFTREqOpp-0.2	0.00057303	0.000330909	0.00274261	0.00276722	0.00356088	0.0176659	0.021742	0.0871158	0.294073	0.12373	0.12373	0.12373	0.12373	-	-	-	-	-
LAFTREqOpp-0.5	0.00457303	0.000330909	0.00274261	0.00276722	0.00356088	0.0176659	0.021742	0.0871158	0.294073	0.12373	0.12373	0.12373	0.12373	-	-	-	-	-
LAFTREqOpp-0.7	0.00457303	0.000330909	0.00274261	0.00276722	0.00356088	0.0176659	0.021742	0.0871158	0.294073	0.12373	0.12373	0.12373	0.12373	-	-	-	-	-
LAFTREqOpp-1.0	0.00457303	0.000330909	0.00274261	0.00276722	0.00356088	0.0176659	0.021742	0.0871158	0.294073	0.12373	0.12373	0.12373	0.12373	-	-	-	-	-
BEUTELDP	0.874566	0.834195	0.889296	0.8985	0.883707	0.757351	0.551142	0.490898	0.54679	0.482322	0.482322	0.482322	0.482322	0.570015	0.570015	0.570015	0.570015	-

Table 27: DispEqOpp t-test results for Adult dataset

UnfairLR	UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRIDP-0.5	LAFTRIDP-0.7	LAFTRIDP-1.0	LAFTREqOdds-0.5	LAFTREqOdds-0.7	LAFTREqOdds-1.0	LAFTREqOpp-0.2	LAFTREqOpp-0.5	LAFTREqOpp-0.7	LAFTREqOpp-1.0	BRUTEJDP
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.000429223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.12711	0.000691938	0.12711	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.18029	0.0007983	0.18029	0.0793817	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.34819	0.0007983	0.34819	0.285702	0.14069	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.5	0.0003941	1.40188e-06	0.0003941	0.000560706	0.000560704	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788	0.000560788
LAFTRIDP-0.7	0.000387995	4.14775e-05	0.000167582	0.000217203	0.00032517	0.00129586	0.371737	0.0154498	0.00032517	0.00032517	0.00032517	0.00032517	0.00032517	0.00032517	0.00032517	0.00032517
LAFTRIDP-1.0	0.000418168	0.000424428	0.00276141	0.00264016	0.00369977	0.0550082	0.285871	0.0336427	0.00369977	0.00369977	0.00369977	0.00369977	0.00369977	0.00369977	0.00369977	0.00369977
LAFTREqOdds-0.2	3.02127e-06	2.17103e-06	1.38488e-05	2.45666e-05	4.11317e-05	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389
LAFTREqOdds-0.5	3.02127e-06	2.17103e-06	1.38488e-05	2.45666e-05	4.11317e-05	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389
LAFTREqOdds-0.7	3.02127e-06	2.17103e-06	1.38488e-05	2.45666e-05	4.11317e-05	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389
LAFTREqOdds-1.0	3.02127e-06	2.17103e-06	1.38488e-05	2.45666e-05	4.11317e-05	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389	0.000157389
LAFTREqOpp-0.5	0.0191225	0.00103982	0.019188	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276
LAFTREqOpp-0.7	0.0191225	0.00103982	0.019188	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276
LAFTREqOpp-1.0	0.0191225	0.00103982	0.019188	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276	0.0109276
BRUTEJDP	0.993613	0.505026	0.990627	0.974172	0.998201	0.752579	0.438507	0.424828	0.368688	0.368688	0.368688	0.600774	0.600774	0.600774	0.600774	-

Table 28: FU-score (DemDisp) t-test results for Adult dataset

UnfairLR	UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRIDE-02	LAFTRIDE-07	LAFTRIDE-10	LAFTRIDE-01	LAFTRIDEQOdds-02	LAFTRIDEQOdds-05	LAFTRIDEQOdds-07	LAFTRIDEQOdds-10	LAFTRIDEOpp-02	LAFTRIDEOpp-05	LAFTRIDEOpp-07	LAFTRIDEOpp-10	BEUTELDP
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.000237571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.307002	0.0012290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.0043903	0.0753423	0.0753423	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.0033534	0.00552393	0.0033534	0.335354	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDE-05	0.0215629	0.00273278	0.0221829	0.0191351	0.0161524	0.00134025	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDE-10	0.000683311	0.000276518	0.00073446	0.0015079	0.00125685	3.85312e-05	0.000739665	-	-	0.00118907	0.00216988	-	-	-	-	-	-	-
LAFTRIDEQOdds-02	0.00089917	0.000959167	0.00360119	0.00317155	0.00054814	9.14283e-05	0.0180726	2.60458e-05	-	0.0180726	0.0231758	2.60458e-05	-	-	-	-	-	-
LAFTRIDEQOdds-05	0.00089917	0.000959167	0.00360119	0.00317155	0.00290272	0.000310774	0.0180726	2.60458e-05	-	0.0180726	0.0231758	2.60458e-05	-	-	-	-	-	-
LAFTRIDEQOdds-07	0.00089917	0.000959167	0.00360119	0.00317155	0.00290272	0.000310774	0.0180726	2.60458e-05	-	0.0180726	0.0231758	2.60458e-05	-	-	-	-	-	-
LAFTRIDEQOdds-10	0.00089917	0.000959167	0.00360119	0.00317155	0.00290272	0.000310774	0.0180726	2.60458e-05	-	0.0180726	0.0231758	2.60458e-05	-	-	-	-	-	-
LAFTRIDEOpp-05	0.00100016	0.000385471	0.000697052	0.000877575	0.000811094	9.20829e-05	0.00337113	0.0034603	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	-	-	-	-	-
LAFTRIDEOpp-07	0.00100016	0.000385471	0.000697052	0.000877575	0.000811094	9.20829e-05	0.00337113	0.0034603	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	-	-	-	-	-
LAFTRIDEOpp-10	0.00100016	0.000385471	0.000697052	0.000877575	0.000811094	9.20829e-05	0.00337113	0.0034603	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	3.85508e-05	0.271594	0.271594	0.271594	0.271594	-
BEUTELDP	0.405412	0.460005	0.411706	0.4132	0.411448	0.402618	0.346719	0.297502	0.267543	0.312966	0.312966	0.312966	0.312966	0.271594	0.271594	0.271594	0.271594	-

Table 29: FU-score (DispEqOdds) for Adult dataset

[illegible]

Table 30: FU-score (DispEqOpp) for Adult dataset

	UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOpps	ZhangEqOpp	LAFTRIDP-02	LAFTRIDP-03	LAFTRIDP-04	LAFTRIDP-05	LAFTRIDP-07	LAFTRIDP-10	LAFTRIDP-12	LAFTRIDP-15	LAFTRIDP-17	LAFTRIDP-20	LAFTRIDP-25	LAFTRIDP-30	LAFTRIDP-35	LAFTRIDP-40	LAFTRIDP-45	LAFTRIDP-50	LAFTRIDP-55	LAFTRIDP-60	LAFTRIDP-65	LAFTRIDP-70	LAFTRIDP-75	LAFTRIDP-80	LAFTRIDP-85	LAFTRIDP-90	LAFTRIDP-95	BRUTELEDP
UnfairLR	0.000256083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.555658	0.000423537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.23763	0.000438926	0.580421	0.0765191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpps	0.143413	0.000438926	0.580421	0.0765191	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	0.000438926	
LAFTRIDP-02	0.010151	1.30192e-05	0.0120416	0.000644486	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	
LAFTRIDP-05	0.000413441	4.27811e-07	0.000644486	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	0.000752333	
LAFTRIDP-10	0.000694757	0.000278707	0.000333866	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	0.000416403	
LAFTRIDP-02	4.04573e-06	3.47043e-06	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	
LAFTRIDP-05	4.04573e-06	3.47043e-06	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	
LAFTRIDP-10	4.04573e-06	3.47043e-06	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	1.83187e-05	
LAFTRIDP-05	0.0253325	0.000682339	0.0102636	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	
LAFTRIDP-07	0.0253325	0.000682339	0.0102636	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	
LAFTRIDP-10	0.0253325	0.000682339	0.0102636	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	0.0150708	
BRUTELEDP	0.223749	0.437840	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	0.233228	

Table 31: Accuracy t-test results for Adult (race) dataset

UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRIDP-0.2	LAFTRIDP-0.5	LAFTRIDP-0.7	LAFTRIDP-1.0	LAFTRIDEqOdds-0.2	LAFTRIDEqOdds-0.5	LAFTRIDEqOdds-0.7	LAFTRIDEqOdds-1.0	LAFTRIDEqOpp-0.2	LAFTRIDEqOpp-0.5	LAFTRIDEqOpp-0.7	LAFTRIDEqOpp-1.0
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.005901503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.512231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.726169	0.00017923	0.484494	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.329139	0.000202069	0.815135	0.502365	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.2	0.552585	0.000202067	0.815135	0.502365	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.5	0.819837	6.16017e-05	0.953025	0.865334	0.949671	-	-	-	-	-	-	-	-	-	-	-
LAFTRIDP-0.7	7.37896e-05	0.84691	0.607379	0.607379	0.57533	0.852014	-	-	0.453799	-	-	-	-	-	-	-
LAFTRIDP-1.0	0.225705	0.579645	0.0526402	0.338840	0.190186	0.735564	0.882672	-	0.735564	-	-	-	-	-	-	-
LAFTRIDEqOdds-0.2	0.240957	0.000107301	0.367107	0.0861319	0.300406	0.103134	0.447589	0.512369	0.447589	-	-	-	-	-	-	-
LAFTRIDEqOdds-0.5	0.240957	0.000107301	0.367107	0.0861319	0.300406	0.103134	0.447589	0.512369	0.447589	-	-	-	-	-	-	-
LAFTRIDEqOdds-0.7	0.240957	0.000107301	0.367107	0.0861319	0.300406	0.103134	0.447589	0.512369	0.447589	-	-	-	-	-	-	-
LAFTRIDEqOdds-1.0	0.549137	0.00057301	0.367107	0.0861319	0.300406	0.103134	0.447589	0.512369	0.447589	-	-	-	-	-	-	-
LAFTRIDEqOpp-0.2	0.242416	0.000335764	0.098568	0.0061463	0.00020657	0.00020657	0.21078	0.00531119	0.110006	0.110006	0.110006	-	-	-	-	-
LAFTRIDEqOpp-0.5	0.0424116	0.000335764	0.098568	0.0061463	0.046602	0.046602	0.21078	0.00531119	0.110006	0.110006	0.110006	-	-	-	-	-
LAFTRIDEqOpp-0.7	0.0424116	0.000335764	0.098568	0.0061463	0.046602	0.046602	0.21078	0.00531119	0.110006	0.110006	0.110006	-	-	-	-	-
LAFTRIDEqOpp-1.0	0.0424116	0.000335764	0.098568	0.0061463	0.00020657	0.00020657	0.21078	0.00531119	0.110006	0.110006	0.110006	-	-	-	-	-

Table 32: DemDisp t-test results for Titanic dataset

[illegible]

Table 33: DispEqOdds t-test results for Adult (race) dataset

UnfairLR	UnfairLR-decay	ZhangDP	DispEqOdds	ZhangEqOdds	LAFTRDP-02	LAFTRDP-03	LAFTRDP-07	LAFTRDP-1.0	LAFTRDP-Qbds-0.2	LAFTRDP-Qbds-0.3	LAFTRDP-Qbds-0.7	LAFTRDP-Qbds-1.0	LAFTRDP-Qbds-1.0	LAFTRDP-Qbds-1.0	LAFTRDP-Qbds-1.0
UnfairLR-decay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.770357	0.311565	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.192387	0.010321	0.0354778	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.5	0.112560	0.099498	0.135315	0.123753	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-0.7	0.034861	0.040559	0.045559	0.045559	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-1.0	0.034862	0.040559	0.045559	0.045559	-	-	-	-	-	-	-	-	-	-	-
LAFTRDP-Qbds-0.2	0.0135409	0.0214422	0.012879	0.00377825	0.00467448	0.0283283	0.0130689	0.0283283	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689
LAFTRDP-Qbds-0.3	0.0182451	0.0424394	0.0134277	0.00397468	0.00235869	0.0283283	0.0130689	0.0283283	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689
LAFTRDP-Qbds-0.7	0.0182451	0.0424394	0.0134277	0.00397468	0.00235869	0.0283283	0.0130689	0.0283283	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689
LAFTRDP-Qbds-1.0	0.0182451	0.0424394	0.0134277	0.00397468	0.00235869	0.0283283	0.0130689	0.0283283	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689	0.0130689
LAFTRDP-Qbds-0.2	0.0044984	0.00701866	0.0044984	0.002143	0.0044984	0.00502735	0.0044984	0.00502735	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984
LAFTRDP-Qbds-0.3	0.0044984	0.00701866	0.0044984	0.002143	0.0044984	0.00502735	0.0044984	0.00502735	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984
LAFTRDP-Qbds-0.7	0.0044984	0.00701866	0.0044984	0.002143	0.0044984	0.00502735	0.0044984	0.00502735	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984
LAFTRDP-Qbds-1.0	0.0044984	0.00701866	0.0044984	0.002143	0.0044984	0.00502735	0.0044984	0.00502735	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984	0.0044984

Table 34: DispEqOpp t-test results for Adult (race) dataset

UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRDDP-02	LAFTRDDP-03	LAFTRDDP-07	LAFTRDDP-10	LAFTREqOdds-02	LAFTREqOdds-03	LAFTREqOdds-07	LAFTREqOdds-10	LAFTREqOpp-02	LAFTREqOpp-03	LAFTREqOpp-07	LAFTREqOpp-10
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.878457	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.123108	0.650666	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.133134	0.454641	0.0140638	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.878893	0.874341	0.0445864	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-02	0.034576	0.034576	0.0345761	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-03	0.034576	0.034576	0.034576	-	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-05	0.0336237	0.060527	0.0493465	0.01336916	0.0174824	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-07	0.0244097	0.0078877	0.0078877	0.00186684	0.00123603	0.0773276	0.0773276	0.00942753	-	-	-	-	-	-	-	-
LAFTRDDP-10	0.00808079	0.0198759	0.00953636	0.0027693	0.003220676	0.0105869	-	-	-	-	-	-	-	-	-	-
LAFTREqOdds-02	0.0162631	0.056397	0.016925	0.00468283	0.00357319	0.133636	0.133636	0.543755	-	-	-	-	-	-	-	-
LAFTREqOdds-03	0.0162631	0.056397	0.016925	0.00468283	0.00357319	0.133636	0.133636	0.543755	-	-	-	-	-	-	-	-
LAFTREqOdds-07	0.0162631	0.056397	0.016925	0.00468283	0.00357319	0.133636	0.133636	0.543755	-	-	-	-	-	-	-	-
LAFTREqOdds-10	0.0162631	0.056397	0.016925	0.00468283	0.00357319	0.133636	0.133636	0.543755	-	-	-	-	-	-	-	-
LAFTREqOpp-02	0.00240618	0.006554	0.00253753	0.00116133	0.000827329	0.00296851	0.00296851	0.00050844	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034
LAFTREqOpp-03	0.00240618	0.006554	0.00253753	0.00116133	0.000827329	0.00296851	0.00296851	0.00050844	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034
LAFTREqOpp-07	0.00240618	0.006554	0.00253753	0.00116133	0.000827329	0.00296851	0.00296851	0.00050844	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034
LAFTREqOpp-10	0.00240618	0.006554	0.00253753	0.00116133	0.000827329	0.00296851	0.00296851	0.00050844	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034	0.000342034

Table 35: FU-score (DemDisp) t-test results for Adult (race) dataset

UnfairLR	UnfairLR	UnfairLR+rew	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRDP-0.2	LAFTRDP-0.5	LAFTRDP-0.7	LAFTRDP-1.0	LAFTREqOdds-0.2	LAFTREqOdds-0.5	LAFTREqOdds-0.7	LAFTREqOdds-1.0	LAFTREqOpp-0.2	LAFTREqOpp-0.5	LAFTREqOpp-0.7	LAFTREqOpp-1.0
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR+rew	0.00335804	0.00512602	0.00341367	0.0128526	0.00341367	0.017454	0.0210762	0.18073	-	-	-	-	-	-	-	-	-
ZhangDP	0.0374543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.019225	0.00314429	0.00389014	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333
ZhangEqOpp	0.011288	0.00341367	0.00341367	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333
LAFTRDP-0.2	0.015333	0.00341367	0.00341367	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333
LAFTRDP-0.5	0.050697	0.0338926	0.0338926	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333	0.015333
LAFTRDP-0.7	0.00231668	0.0462342	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426
LAFTRDP-1.0	0.00353806	0.081194	0.00712256	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426	0.00337426
LAFTREqOdds-0.2	0.0246206	0.0277613	0.056089	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519
LAFTREqOdds-0.5	0.0246206	0.0277613	0.056089	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519
LAFTREqOdds-0.7	0.0246206	0.0277613	0.056089	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519
LAFTREqOdds-1.0	0.0246206	0.0277613	0.056089	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519	0.0162519
LAFTREqOpp-0.2	0.00147536	0.136028	0.00264229	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637
LAFTREqOpp-0.5	0.00147536	0.136028	0.00264229	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637
LAFTREqOpp-0.7	0.00147536	0.136028	0.00264229	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637
LAFTREqOpp-1.0	0.00147536	0.136028	0.00264229	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637	0.00137637

Table 36: FU-score (DispEqOdds) for Adult (race) dataset

UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRDP-02	LAFTRDP-03	LAFTRDP-07	LAFTRDP-1.0	LAFTRDP-0.2	LAFTRDP-0.5	LAFTRDP-0.7	LAFTRDP-0.9	LAFTRDP-1.0
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.0834519	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.381115	0.126517	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.174998	0.526012	0.033964	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.0609435	0.285155	0.155392	0.149411	-	-	-	-	-	-	-	-	-
LAFTRDP-0.2	0.045567	0.045567	0.045567	0.045567	-	-	-	-	-	-	-	-	-
LAFTRDP-0.5	0.0323891	0.0201066	0.0309045	0.0113172	-	-	-	-	-	-	-	-	-
LAFTRDP-0.7	0.00446331	0.00201974	0.00562758	0.00315628	0.00248997	0.0770817	0.886567	0.0174316	-	-	-	-	-
LAFTRDP-1.0	0.0146327	0.0129261	0.0144589	0.0044504	0.00588847	0.0302538	0.0248036	0.0365842	-	-	-	-	-
LAFTRDP-0.2	0.0173202	0.0187407	0.013764	0.00428837	0.00263056	0.034769	0.0248036	0.0365842	-	-	-	-	-
LAFTRDP-0.5	0.0173202	0.0187407	0.013764	0.00428837	0.00263056	0.034769	0.0248036	0.0365842	-	-	-	-	-
LAFTRDP-0.7	0.0173202	0.0187407	0.013764	0.00428837	0.00263056	0.034769	0.0248036	0.0365842	-	-	-	-	-
LAFTRDP-1.0	0.0173202	0.0187407	0.013764	0.00428837	0.00263056	0.034769	0.0248036	0.0365842	-	-	-	-	-
LAFTRDP-0.2	0.00526278	0.0048111	0.0052804	0.00273459	0.00104124	0.00628247	0.0332915	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446
LAFTRDP-0.5	0.00526278	0.0048111	0.0052804	0.00273459	0.00104124	0.00628247	0.0332915	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446
LAFTRDP-0.7	0.00526278	0.0048111	0.0052804	0.00273459	0.00104124	0.00628247	0.0332915	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446
LAFTRDP-1.0	0.00526278	0.0048111	0.0052804	0.00273459	0.00104124	0.00628247	0.0332915	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446	0.00239446

Table 37: FU-score (DispEqOpp) for Adult (race) dataset

UnfairLR	UnfairLR-decay	ZhangDP	ZhangEqOdds	ZhangEqOpp	LAFTRDDP-02	LAFTRDDP-03	LAFTRDDP-07	LAFTRDDP-10	LAFTRDDP-02	LAFTRDDP-03	LAFTRDDP-07	LAFTRDDP-10	LAFTRDDP-02	LAFTRDDP-03	LAFTRDDP-07	LAFTRDDP-10
UnfairLR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UnfairLR-decay	0.740211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangDP	0.137818	0.06233	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOdds	0.128879	0.053783	0.0138287	-	-	-	-	-	-	-	-	-	-	-	-	-
ZhangEqOpp	0.838709	0.874387	0.010111	0.061702	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-0.2	0.0330692	0.056735	0.015584	0.008839	-	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-0.5	0.0330692	0.0458074	0.0167705	0.0155884	0.018209	-	-	-	-	-	-	-	-	-	-	-
LAFTRDDP-0.7	0.0034016	0.0058074	0.00532102	0.0028767	0.00229831	0.205732	-	-	0.00748779	-	-	-	-	-	-	-
LAFTRDDP-1.0	0.00808202	0.0167136	0.0117269	0.0038329	0.00440837	0.058569	0.68334	-	0.0234536	-	-	-	-	-	-	-
LAFTRLEqOdds-0.2	0.0154039	0.043207	0.0173637	0.00526546	0.0038939	0.126227	0.026403	0.0232134	-	-	-	-	-	-	-	-
LAFTRLEqOdds-0.5	0.0154039	0.043207	0.0173637	0.00526546	0.0038939	0.126227	0.026403	0.0232134	0.027791	-	-	-	-	-	-	-
LAFTRLEqOdds-0.7	0.0154039	0.043207	0.0173637	0.00526546	0.0038939	0.126227	0.026403	0.0232134	0.027791	0.026403	-	-	-	-	-	-
LAFTRLEqOdds-1.0	0.0154039	0.043207	0.0173637	0.00526546	0.0038939	0.126227	0.026403	0.0232134	0.027791	0.026403	0.0232134	-	-	-	-	-
LAFTRLEqOpp-0.2	0.0031026	0.00613727	0.00387184	0.0014118	0.00133226	0.0034543	0.0175768	0.0038939	0.00106586	0.00106586	0.00106586	0.00106586	-	-	-	-
LAFTRLEqOpp-0.5	0.0031026	0.00613727	0.00387184	0.0014118	0.00133226	0.0034543	0.0175768	0.0038939	0.00106586	0.00106586	0.00106586	0.00106586	0.00106586	-	-	-
LAFTRLEqOpp-0.7	0.0031026	0.00613727	0.00387184	0.0014118	0.00133226	0.0034543	0.0175768	0.0038939	0.00106586	0.00106586	0.00106586	0.00106586	0.00106586	0.00106586	-	-
LAFTRLEqOpp-1.0	0.0031026	0.00613727	0.00387184	0.0014118	0.00133226	0.0034543	0.0175768	0.0038939	0.00106586	0.00106586	0.00106586	0.00106586	0.00106586	0.00106586	-	-