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Table 4. Per–group results (accuracy, recall, precision and approval-rate disaggregated by groups A and B) for the offline pipeline.

Vowient	A A aa (†)	P. Ann. (4) /	N Pop (†)	D Dog (†) A	Prop (†)	D Dwag (†) A	AnnPata (†)	D AnnData (†)
				ort = 632			AppRate (†)	B AppRate (↑)
none	0.935	0.967	0.954	0.830	0.942	0.976	0.630	0.147
reweight_auto	0.932	0.957	0.939	0.870	0.951	0.879	0.614	0.171
reweight_manual_A0.5_B1.5 mitigator_demographic_parity	0.921	0.960 0.611	$\frac{0.941}{0.847}$	0.800 0.910	0.932 0.979	$\frac{0.964}{0.296}$	0.628 0.538	0.143 0.530
mitigator_equalized_odds	0.929	0.962	0.939	0.850	0.946	0.924	0.617	0.159
				ort = 616			0.840	
none reweight_auto	$\frac{0.920}{0.922}$	0.954 0.929	0.948 0.948	0.568 <u>0.676</u>	0.941 0.943	0.636 0.446	$\frac{0.718}{0.716}$	0.055 0.093
reweight_manual_A0.5_B1.5	0.906	0.954	0.938	0.595	0.930	0.629	0.719	0.058
mitigator_demographic_parity	0.846	0.383	0.800	0.838 0.568	0.980	0.078 0.538	0.581 0.687	0.658 0.064
mitigator_equalized_odds	p = 0.5			ort = 644	0.953		0.087	0.004
none	0.932	0.955	0.965	0.677	0.940	0.568	0.730	0.064
reweight_auto	0.904	0.960	0.891	0.581	0.971	0.643	0.652	0.049
reweight_manual_A0.5_B1.5 mitigator_demographic_parity	0.915 0.846	0.972 0.451	0.921 0.808	0.645 0.903	0.957 0.971	0.800 0.082	0.685 0.592	0.043 0.592
mitigator_equalized_odds	0.925	0.960	0.932	0.677	0.962	0.618	0.689	0.059
				ort = 618				
none reweight auto	0.896 0.906	$\frac{0.940}{0.925}$	0.928 0.948	0.267 0.567	0.928 0.923	$\frac{0.364}{0.347}$	0.718 0.738	0.037 0.082
reweight_manual_A0.5_B1.5	0.890	0.951	0.917	0.300	0.929	0.529	0.709	0.028
mitigator_demographic_parity	0.366	0.787	0.119	0.767	0.981	0.161	0.087	0.240
mitigator_equalized_odds	0.906	0.938	0.935	0.300	0.935	0.360	0.718	0.042
none	$\mathbf{p} = 0.6$ 0.917	$ lbl = 0.0 \\ 0.949$	0.925	0.816	B supp 0.933	$\mathrm{ort} = 455$ 0.873	0.585	0.156
reweight_auto	0.913	0.941	0.919	0.842	0.933	0.810	0.581	0.174
reweight manual A0.5 B1.5	0.926 0.913	0.947	0.952 0.914	0.829 0.921	0.925 0.937	$\frac{0.851}{0.282}$	0.607	0.163 0.545
mitigator_demographic_parity mitigator_equalized_odds	0.913	0.596 <u>0.947</u>	0.914	0.921	0.937	0.282	0.576 0.603	0.545
	p = 0.6	lbl = 0.4				ort = 463		
none	0.904	0.937	0.905	0.351	0.957	0.722	0.668	0.039
reweight_auto reweight manual A0.5 B1.5	0.925 0.909	0.922 0.942	0.945 0.919	0.541 0.432	0.948 0.951	0.513 0.727	0.704 0.684	$\frac{0.084}{0.048}$
mitigator_demographic_parity	0.909	0.335	0.919	0.432 0.946	0.931 0.935	0.727	0.684 0.717	0.737
mitigator_equalized_odds	0.925	0.933	0.960	0.595	0.936	0.579	0.725	0.082
		lbl = 0.5		ort = 776				
none reweight auto	$\frac{0.930}{0.929}$	0.954	0.913 0.917	0.484 0.484	0.984	$\frac{0.750}{0.652}$	0.635	0.043
reweight_manual_A0.5_B1.5	0.912	0.957	0.885	0.419	0.985	0.867	0.615	0.033
mitigator_demographic_parity	0.930	0.282	0.951	0.871	0.947	0.076	0.687	0.768
mitigator_equalized_odds	0.936	0.946	0.940	0.484	0.965	0.625	0.666	0.052
none	$\mathbf{p} = 0.6$ 0.933	0.946	0.970	0.450	0.941	0.391	0.754	0.050
reweight_auto	0.928	0.920	0.970	0.450	0.934	0.257	0.759	0.076
reweight manual A0.5 B1.5	0.924	0.946	0.980	0.450	0.921	0.391	0.779	0.050
								0.777
mitigator_demographic_parity	0.932 0.934	0.258 0.946	0.973 0.971	0.900	0.936 0.941	0.050 0.391	0.760 0.755	0.777 0.050
mitigator_demographic_parity mitigator_equalized_odds	0.932 0.934	0.258 0.946	$\frac{0.973}{0.971}$	0.900 0.450	0.936 0.941	0.050 0.391	0.760	
mitigator_demographic_parity mitigator_equalized_odds re	0.932 0.934 $p = 0.7$ 0.933	0.258 0.946 lbl = 0.0 0.938	0.973 0.971 A supp 0.950	0.900 0.450 oort = 881 0.806	0.936 0.941 B supp 0.938	0.050 0.391 ort = 338 0.847	0.760 0.755 0.604	0.050
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto	0.932 0.934 $p = 0.7$ 0.933 0.925	0.258 0.946 lbl = 0.0 0.938 0.947	0.973 0.971 A supp 0.950 0.930	0.900 0.450 oort = 881 0.806 0.806	0.936 0.941 B supp 0.938 0.944	0.050 0.391 ort = 338 0.847 0.893	0.760 0.755 0.604 0.587	0.050 0.175 0.166
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5	0.932 0.934 $p = 0.7$ 0.933	0.258 0.946 lbl = 0.0 0.938	0.973 0.971 A supp 0.950	0.900 0.450 oort = 881 0.806	0.936 0.941 B supp 0.938	0.050 0.391 ort = 338 0.847	0.760 0.755 0.604	0.050
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity	0.932 0.934 ep = 0.7 0.933 0.925 0.927	0.258 0.946 Ibl = 0.0 0.938 0.947 0.944	0.973 0.971 A supp 0.950 0.930 0.937	0.900 0.450 oort = 881 0.806 0.806 0.806	0.936 0.941 B supp 0.938 0.944 0.941	0.050 0.391 ort = 338 0.847 0.893 0.877	0.760 0.755 0.604 0.587 0.594	0.050 0.175 0.166 0.169
mitigator_demographic_parity mitigator_equalized_odds re none nower in the control of the control reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re	0.932 0.934 ep = 0.7 0.933 0.925 0.927 0.930 0.930 ep = 0.7	0.258 0.946 lbl = 0.0 0.938 0.947 0.944 0.571 0.947 lbl = 0.4	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.949 A supp	0.900 0.450 eort = 881 0.806 0.806 0.806 0.935 0.839 eort = 890	0.936 0.941 B supp 0.938 0.944 0.939 0.934 B supp	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349	0.760 0.755 0.604 0.587 0.594 0.598 0.605	0.050 0.175 0.166 0.169 0.589 <u>0.178</u>
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none	0.932 0.934 ep = 0.7 0.933 0.925 0.927 0.930 0.930 ep = 0.7 0.939	0.258 0.946 lbl = 0.0 0.938 0.947 0.944 0.571 0.947 lbl = 0.4 <u>0.943</u>	0.973 0.971 A supproperation of the second of the seco	0.900 0.450 oort = 881 0.806 0.806 0.806 0.935 0.839 oort = 890 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.934 B supp 0.949	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679	0.760 0.755 0.604 0.587 0.594 0.598 0.605	0.050 0.175 0.166 0.169 0.589 <u>0.178</u> 0.080
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none none reweight_auto reweight_auto reweight_manual_A0.5_B1.5	0.932 0.934 ep = 0.7 0.933 0.925 0.927 0.930 0.930 ep = 0.7 0.939 0.939 0.936	$\begin{array}{c} 0.258 \\ \textbf{0.946} \\ \hline \mid \textbf{lb1} = \textbf{0.0} \\ 0.938 \\ \textbf{0.947} \\ 0.944 \\ 0.571 \\ \textbf{0.947} \\ \hline \mid \textbf{lb1} = \textbf{0.4} \\ \frac{0.943}{0.926} \\ 0.940 \\ \end{array}$	0.973 0.971 A supproperation of the second of the seco	0.900 0.450 ort = 881 0.806 0.806 0.806 0.935 0.839 ort = 890 0.633 0.667 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.939 0.934 B supp 0.949 0.958 0.949	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto_parity mitigator_equalized_odds re none reweight_auto reweight_auto_auto_A0.5_B1.5 mitigator_demographic_parity	0.932 0.934 ep = 0.7 0.933 0.925 0.930 0.930 ep = 0.7 0.939 0.936 0.936	0.258 0.946 lbl = 0.0 0.938 0.947 0.571 0.947 lbl = 0.4 0.943 0.926 0.940 0.384	0.973 0.971 A suppr 0.950 0.930 0.937 0.943 0.949 A suppr 0.965 0.955 0.960 0.958	0.900 0.450 ort = 881 0.806 0.806 0.806 0.935 0.839 ort = 890 0.633 0.667 0.633 0.867	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 0.949 0.950	$\begin{array}{c} 0.050 \\ \textbf{0.391} \\ \textbf{ort} = \textbf{338} \\ 0.847 \\ \textbf{0.893} \\ \underline{0.877} \\ 0.291 \\ 0.867 \\ \textbf{ort} = \textbf{349} \\ \underline{0.679} \\ 0.556 \\ 0.665 \\ 0.110 \\ \end{array}$	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706 0.703	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679
mitigator_demographic_parity mitigator_equalized_odds re none none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds	$\begin{array}{c} 0.932 \\ \textbf{0.934} \\ \textbf{p} = \textbf{0.7} \\ \textbf{0.933} \\ 0.925 \\ 0.927 \\ \underline{0.930} \\ \textbf{pp} = \textbf{0.7} \\ \textbf{0.930} \\ \textbf{0.939} \\ \textbf{0.936} \\ 0.936 \\ 0.938 \\ \end{array}$	0.258 0.946 lbl = 0.0 0.938 0.947 0.944 0.571 0.947 lbl = 0.4 0.943 0.926 0.940 0.384 0.946	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.949 A supp 0.965 0.955 0.960 0.958	0.900 0.450 ort = 881 0.806 0.806 0.806 0.935 0.839 ort = 890 0.633 0.667 0.633 0.867	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.939 0.949 0.949 0.958 0.949	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083
mitigator_demographic_parity mitigator_equalized_odds re none none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds	$\begin{array}{c} 0.932 \\ \textbf{0.934} \\ \textbf{p} = \textbf{0.7} \\ \textbf{0.933} \\ 0.925 \\ 0.927 \\ \underline{0.930} \\ \textbf{pp} = \textbf{0.7} \\ \textbf{0.930} \\ \textbf{0.939} \\ \textbf{0.936} \\ 0.936 \\ 0.938 \\ \end{array}$	0.258 0.946 lbl = 0.0 0.938 0.947 0.944 0.571 0.947 lbl = 0.4 0.943 0.926 0.940 0.384 0.946	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.949 A supp 0.965 0.955 0.960 0.958	0.900 0.450 ort = 881 0.806 0.806 0.806 0.935 0.839 ort = 890 0.633 0.667 0.633 0.867	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.939 0.949 0.949 0.958 0.949	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706 0.703	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re mitigator_equalized_odds re none reweight_auto re remeight_auto re reweight_auto re reweight_auto	0.932 0.934 PP = 0.7 0.935 0.925 0.927 0.930 0.930 PP = 0.7 0.939 0.936 0.936 0.936 0.936 0.936 0.939 0.9	$\begin{array}{c} 0.258 \\ \textbf{0.946} \\ \hline \textbf{0.946} \\ \hline \textbf{0.938} \\ 0.938 \\ 0.947 \\ 0.947 \\ \hline \textbf{0.947} \\ \hline \textbf{0.947} \\ \hline \textbf{0.943} \\ 0.926 \\ 0.940 \\ 0.384 \\ \textbf{0.946} \\ \hline \textbf{0.91} \\ \hline \textbf{0.908} \\ 0.998 \\ \hline \textbf{0.928} \\ \hline \end{array}$	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.949 A supp 0.965 0.955 0.956 0.958 0.958	0.900 0.450 0.806 0.806 0.806 0.806 0.935 0.839 0.633 0.667 0.633 0.867 0.633 0.867	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 0.949 0.958 B supp 0.949 0.958	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.655 0.655 0.110 0.704 ort = 360 0.278 0.320	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706 0.703 0.694	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 re reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5	0.932 0.934 $p = 0.7$ 0.935 0.925 0.927 0.930 $p = 0.7$ 0.939 0.939 0.936 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938 0.938	$\begin{array}{c} 0.258 \\ \textbf{0.946} \\ \textbf{0.946} \\ \textbf{0.938} \\ \textbf{0.937} \\ \textbf{0.937} \\ \textbf{0.947} \\ \textbf{0.947} \\ \textbf{0.947} \\ \textbf{ bl} = \textbf{0.4} \\ \textbf{0.926} \\ \textbf{0.940} \\ \textbf{0.384} \\ \textbf{0.946} \\ \textbf{ bl} = \textbf{0.5} \\ \textbf{0.998} \\ \textbf{0.928} \\ \textbf{0.947} \\ \textbf{0.947} \\ \textbf{0.947} \\ \textbf{0.947} \\ \textbf{0.948} \\ \textbf{0.949} \\ $	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.943 0.945 0.955 0.955 0.955 0.958 0.953 A supp 0.977 0.946	0.900 0.450 0.000 0.806 0.806 0.806 0.935 0.839 oort = 890 0.633 0.867 0.633 0.867 0.633	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 0.949 0.950 0.958 B supp 0.942 0.962	$\begin{array}{c} 0.050 \\ 0.391 \\ \text{ort} = 338 \\ 0.847 \\ 0.893 \\ 0.877 \\ 0.291 \\ 0.867 \\ \text{ort} = 349 \\ 0.679 \\ 0.556 \\ 0.655 \\ 0.110 \\ 0.704 \\ \text{ort} = 360 \\ 0.278 \\ 0.320 \\ 0.450 \\ \end{array}$	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706 0.703 0.694	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto remedight_auto reweight_auto remedight_auto remedight_a	0.932 0.934 PP = 0.7 0.935 0.925 0.927 0.930 0.930 PP = 0.7 0.939 0.936 0.936 0.936 0.936 0.936 0.939 0.9	$\begin{array}{c} 0.258 \\ \textbf{0.946} \\ \hline \textbf{0.946} \\ \hline \textbf{0.938} \\ 0.938 \\ 0.947 \\ 0.947 \\ \hline \textbf{0.947} \\ \hline \textbf{0.947} \\ \hline \textbf{0.943} \\ 0.926 \\ 0.940 \\ 0.384 \\ \textbf{0.946} \\ \hline \textbf{0.91} \\ \hline \textbf{0.908} \\ 0.998 \\ \hline \textbf{0.928} \\ \hline \end{array}$	0.973 0.971 A supp 0.950 0.930 0.937 0.943 0.949 A supp 0.965 0.955 0.956 0.958 0.958	0.900 0.450 0.806 0.806 0.806 0.806 0.935 0.839 0.633 0.667 0.633 0.867 0.633 0.867	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 0.949 0.958 B supp 0.949 0.958	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.655 0.655 0.110 0.704 ort = 360 0.278 0.320	0.760 0.755 0.604 0.587 0.598 0.605 0.709 0.696 0.706 0.706 0.704 0.715 0.709	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077
mitigator_demographic_parity mitigator_equalized_odds re none reveight_auto reveight_manual_A0.5_B1.5 mitigator_equalized_odds reveight_auto reveight_auto reveight_auto reveight_auto_seveight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re reveight_auto	0.932 0.934 $p=0.7$ 0.933 0.925 0.927 0.930 $p=0.7$ 0.939 0.939 0.936 0.936 0.936 0.938 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939	0.258 0.948 0.938 0.938 0.947 0.944 0.571 0.947 Ibl = 0.4 0.943 0.926 0.940 0.384 0.946 Ibl = 0.5 0.908 0.928 0.947 0.192 0.928	0.973 0.971 A supproper one of the supproper on	0.900 0.450 0.806 0.806 0.806 0.935 0.839 0.633 0.667 0.633 0.667 0.633 0.667 0.633 0.67 0.633 0.697 0.633 0.637 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.647 0.529 0.638 0.647 0.529 0.638 0.647 0.529 0.647 0.529 0.648 0.6	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 B supp 0.942 0.962 0.962 0.955 B supp	0.050 0.391 0.847 0.893 0.847 0.893 0.867 0.291 0.867 ort = 349 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344	0.760 0.755 0.604 0.594 0.598 0.605 0.709 0.696 0.706 0.703 0.703 0.704 0.715 0.709 0.754 0.715 0.709 0.754	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto	0.932 0.934 $pp = 0.7$ 0.933 0.925 0.930 0.930 0.930 0.930 0.930 0.939 0.938 0.938 0.938 0.938 0.938 0.938 0.939	0.258 0.946 Ibl = 0.0 0.938 0.947 0.947 0.947 0.571 Ibl = 0.4 0.943 0.926 0.940 0.384 0.946 Ibl = 0.5 0.928 0.947 0.192 0.928 Ibl = 0.6 0.928	0.973 0.971 0.973 0.973 0.980 0.980 0.980 0.949 0.965 0.965 0.966 0.955 0.960 0.953 0.967 0.964 0.977 0.946 0.974 0.961 0.974 0.961	0.900 0.450 0.806 0.806 0.806 0.806 0.935 0.667 0.633 0.667 0.633 0.047 0.633 0.047 0.588 0.71 0.588 0.941 0.588	0.934 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 B supp 0.942 0.962 0.962 0.962 B supp	0.050 0.391 0.893 0.847 0.893 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348	0.760 0.750 0.604 0.594 0.598 0.605 0.606 0.709 0.696 0.706 0.706 0.706 0.705 0.694 0.715 0.705 0.732 0.732	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_operative mitigator_demographic_parity mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto re	0.932 0.934 $p=0.7$ 0.933 0.925 0.927 0.930 $p=0.7$ 0.939 0.939 0.936 0.936 0.936 0.938 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939	0.258 0.948 0.938 0.938 0.947 0.944 0.571 0.947 Ibl = 0.4 0.943 0.926 0.940 0.384 0.946 Ibl = 0.5 0.908 0.928 0.947 0.192 0.928	0.973 0.971 A supproper one of the supproper on	0.900 0.450 0.806 0.806 0.806 0.935 0.839 0.633 0.667 0.633 0.667 0.633 0.667 0.633 0.67 0.633 0.697 0.633 0.637 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.637 0.638 0.647 0.529 0.638 0.647 0.529 0.638 0.647 0.529 0.647 0.529 0.648 0.6	0.936 0.941 B supp 0.938 0.944 0.941 0.939 0.934 B supp 0.949 0.958 B supp 0.942 0.962 0.962 0.955 B supp	0.050 0.391 0.847 0.893 0.847 0.893 0.867 0.291 0.867 ort = 349 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344	0.760 0.755 0.604 0.594 0.598 0.605 0.709 0.696 0.706 0.703 0.703 0.704 0.715 0.709 0.754 0.715 0.709 0.754	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081
mitigator_equalized_odds re none reweight_auto reveight_auto none reweight_auto reveight_auto revei	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.932 \\ 0.928 \\ 0.928 \\ 0.929 \\ 0.929 \\ 0.929 \\ 0.937 \\ 0.939 \\ 0.928 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.928 \\ 0.937 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.937 \\ 0.939 \\$	0.258 0.946 0.938 0.947 0.938 0.947 0.944 0.571 lbl = 0.4 0.943 0.926 0.946 0.946 lbl = 0.5 0.928 0.928 0.947 0.192 0.928 lbl = 0.6 0.928 0.947 0.192 0.928 0.947 0.096 0.096 0.096 0.096 0.096 0.096 0.096 0.096 0.096	0.973 0.971 (A supproper of the supprop	0.900 0.450 0.806 0.806 0.806 0.935 0.633 0.633 0.667 0.633 0.687 0.633 0.867 0.633 0.867 0.529 0.529 0.549 0.579 0.588 0.471 0.533 0.647 0.533 0.647 0.533	0.936 0.941 B supp 0.938 0.944 0.941 B supp 0.939 0.934 B supp 0.958 0.949 0.950 0.950 0.952 0.962 0.962 0.962 0.962 0.962 0.962 0.963 0.918 0.933 0.918 0.933	0.050 0.391 0.847 0.893 0.847 0.893 0.867 0.291 0.867 0.794 0.655 0.100 0.704 ort = 360 0.320 0.450 0.052 0.345 ort = 344 0.348 0.345 0.500 0.005	0.760 0.750 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.703 0.703 0.704 0.754 0.752 0.732 0.744 0.757 0.726	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_odds re none none none none reweight_auto reweight_auto reweight_auto reweight manual_A0.5_B1.5 mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_equalized_odds	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ 0.933 \\ 0.927 \\ 0.930 \\ 0.927 \\ 0.930 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.947 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.926 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.928 \\ 0.928 \\ 0.928 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.998 \\ \hline \mid \mathbf{bh} = 0.6 \\ 0.936 \\ \hline \mid 0.908 \\ 0.928 \\ \hline \mid 0.928 \\ 0.928 \\ \hline \mid 0.936 \\ 0.936 \\ \hline \mid 0.906 \\ 0.936 \\ 0.936 \\ 0.936 \\ \hline \end{array}$	0.973 0.971 0.973 0.971 0.950 0.930 0.937 0.943 0.949 0.965 0.965 0.955 0.960 0.958 0.974 0.946 0.938 0.974 0.961 0.963 0.963 0.963 0.963	0.900 0.450 0.806 0.806 0.806 0.806 0.839 0.633 0.667 0.633 0.867 0.633 0.907 0.529 0.941 0.529 0.941 0.533 0.467 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.944 0.939 0.958 B supp 0.949 0.956 B supp 0.942 0.962 0.962 0.962 0.962 0.995 B supp 0.993 0.993 0.993	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348 0.250 0.500 0.005 0.005 0.005 0.005	0.760 0.750 0.604 0.594 0.598 0.605 0.606 0.706 0.706 0.706 0.706 0.706 0.706 0.754 0.715 0.752 0.732	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081
mitigator_demographic_parity mitigator_equalized_odds re none none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto remewight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_equalized_odds re mone reweight_auto rew	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ 0.933 \\ 0.927 \\ 0.930 \\ 0.927 \\ 0.930 \\ 0.939 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.928 \\ 0.937 \\ 0.999 \\ 0.909 \\ 0.910 \\ 0.909 \\ 0.910 \\ 0.909 \\$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \ \mathbf{lbl} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ 0.947 \\ \hline \ \mathbf{lbl} = 0.4 \\ 0.926 \\ 0.940 \\ 0.928 \\ 0.908$	0.973 0.971 0.973 0.971 0.950 0.930 0.937 0.943 0.949 0.965 0.955 0.955 0.955 0.958 0.953 0.943 0.949 0.966 0.958 0.953 0.939 0.963 0.963 0.963 0.963 0.963 0.964 0.966 0.966 0.958 0.953 0.939 0.939 0.939 0.939 0.939 0.939 0.939 0.939	0.900 0.450 0.450 0.806 0.806 0.806 0.935 0.633 0.667 0.633 0.528 0.471 0.538 0.529 0.941 0.588 0.500 0.667 0.633 0.667 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.934 0.939 0.934 B supp 0.949 0.956 B supp 0.942 0.962 0.962 0.962 0.962 0.965 B supp 0.923 0.933 0.943 0.933	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 0.250 0.045 0.250 0.052 0.345 0.250 0.045	0.760 0.750 0.604 0.594 0.594 0.598 0.605 0.709 0.696 0.706 0.706 0.706 0.705 0.702 0.732 0.732 0.744 0.757 0.729 0.726	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.066 0.850 0.081 0.067 0.105 0.067 0.105 0.067
mitigator_demographic_parity mitigator_equalized_odds re none none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ 0.933 \\ 0.927 \\ 0.930 \\ 0.927 \\ 0.930 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.947 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.926 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.928 \\ 0.928 \\ 0.928 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.998 \\ \hline \mid \mathbf{bh} = 0.6 \\ 0.936 \\ \hline \mid 0.908 \\ 0.928 \\ \hline \mid 0.928 \\ 0.928 \\ \hline \mid 0.936 \\ 0.936 \\ \hline \mid 0.906 \\ 0.936 \\ 0.936 \\ 0.936 \\ \hline \end{array}$	0.973 0.971 0.973 0.971 0.950 0.930 0.937 0.943 0.949 0.965 0.965 0.955 0.960 0.958 0.974 0.946 0.938 0.974 0.961 0.963 0.963 0.963 0.963	0.900 0.450 0.806 0.806 0.806 0.806 0.839 0.633 0.667 0.633 0.867 0.633 0.907 0.529 0.941 0.529 0.941 0.533 0.467 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.944 0.939 0.958 B supp 0.949 0.956 B supp 0.942 0.962 0.962 0.962 0.962 0.995 B supp 0.993 0.993 0.993	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348 0.250 0.500 0.005 0.005 0.005 0.005	0.760 0.750 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.703 0.703 0.704 0.754 0.752 0.732 0.744 0.757 0.726	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto revewight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.900 \\ 0.9$	0.258 0.946 Ibl = 0.0 0.938 0.947 0.941 0.571 Ibl = 0.4 0.943 0.926 0.946 0.946 0.946 Ibl = 0.5 0.928 0.928 0.947 0.192 0.928 Ibl = 0.6 0.936 0.908 0.908 0.908 0.904 0.936 0.904 0.936 0.904 0.944 0.940 0.944	0.973 0.971 0.971 0.970 0.950 0.930 0.930 0.943 0.949 0.955 0.965 0.965 0.965 0.963 0.933 0.940 0.955 0.963 0.963 0.963 0.963 0.964 0.953 0.964 0.955 0.963 0.964 0.953 0.964 0.952 0.963 0.964 0.952 0.963 0.964 0.952 0.963	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.935 0.633 0.667 0.633 0.867 0.588 0.9471 0.588 0.941 0.588 0.588 0.667 0.633 0.667 0.633 0.600 0.467 0.633	0.936 0.941 B supp 0.938 0.944 0.939 0.949 0.939 0.949 0.949 0.950 0.940 0.950 0.962 0.962 0.962 0.962 0.963 0.943 0.943 0.943 0.943 0.943 0.933 0.943 0.933 0.943 0.933	0.050 0.391 0.391 0.897 0.897 0.897 0.291 0.867 0.556 0.655 0.110 0.704 0rt = 360 0.278 0.320 0.450 0.052 0.345 0rt = 344 0.250 0.045 0.345 0.250 0.045 0.345 0.250 0.045 0.387	0.760 0.750 0.604 0.587 0.594 0.598 0.605 0.709 0.606 0.703 0.703 0.704 0.754 0.754 0.752 0.732 0.744 0.757 0.726 0.726 0.726 0.589 0.588	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.190 0.181
mitigator_demographic_parity moemore veweight_auto noemore reveight_auto noemore reveight_auto	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.910 \\ 0.911 \\ 0.911 \\ 0.911 \\ 0.921 \\ 0.914 \\ 0.915 \\ 0.914 \\ 0.915 \\ 0.914 \\ 0.915 \\ 0.914 \\ 0.915 \\ 0.914 \\ 0.915 \\ 0.915 \\ 0.916 \\ 0.9$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ 0.947 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.947 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.926 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.928 \\ 0.928 \\ 0.928 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.908 \\ 0.928 \\ 0.936 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.6 \\ 0.936 \\ 0.936 \\ 0.946 \\ 0.940 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0$	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.949 0.955 0.965 0.955 0.953 0.953 0.963 0.974 0.961 0.963	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.839 0.667 0.633 0.667 0.633 0.71 = 890 0.588 0.471 0.529 0.941 0.533 0.529 0.941 0.533 0.533 0.667 0.633 0.529 0.941 0.533 0.529 0.533 0.529 0.533 0.529 0.533 0.529 0.533 0.533 0.529 0.529 0.52	0.936 0.941 B supp 0.938 0.934 0.941 0.939 0.938 B supp 0.949 0.949 0.949 0.949 0.949 0.950 0.950 0.950 0.950 0.962 0.962 0.962 0.962 0.962 0.962 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963	0.050 0.391 ort = 338 0.847 0.893 0.867 ort = 349 0.679 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348 0.250 0.500 0.045 0.278 0.278 0.390 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500 0.450 0.500	0.760 0.755 0.604 0.594 0.594 0.596 0.605 0.709 0.696 0.703 0.694 0.754 0.715 0.792 0.732 0.744 0.755 0.726 0.726 0.726 0.726	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.041 0.651 0.067
mitigator_demographic_parity mitigator_equalized_odds reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re repensed	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.927 \\ 0.930 \\ 0.930 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.937 \\ 0.939 \\ 0.930 \\ 0.931 \\ 0.909 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.911 \\ 0.920 \\ 0.914 \\ 0.916 \\$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.947 \\ 0.941 \\ 0.571 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.926 \\ 0.940 \\ 0.384 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.928 \\ 0.928 \\ 0.928 \\ 0.908 \\ 0.908 \\ 0.908 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ \hline \mid \mathbf{bh} = 0.5 \\ 0.936 \\ 0.908 $	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.943 0.945 0.965 0.965 0.958 0.953 0.960 0.977 0.946 0.974 0.961 0.963 0.963 0.963 0.963 0.963 0.993 0.963 0.990 0.924	0.900 0.450 0.450 0.450 0.806 0.806 0.806 0.935 0.633 0.633 0.633 0.528 0.471 0.538 0.471 0.538 0.471 0.538 0.407 0.667 0.633 0.600 0.818 0.918 0.795	0.936 0.941 B supp 0.938 0.941 0.939 0.938 0.941 0.939 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.949 0.958 0.940 0.958 0.942 0.962 0.942 0.962 0.942 0.962 0.942 0.962 0.962 0.962 0.962 0.962 0.963 0.963 0.943 0.933 0.933 0.933 0.933	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348	0.760 0.750 0.604 0.587 0.594 0.598 0.605 0.709 0.606 0.703 0.703 0.704 0.754 0.754 0.752 0.732 0.744 0.757 0.726 0.726 0.726 0.589 0.588	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.190 0.181
mitigator_demographic_parity mitigator_equalized_odds re none noe noe noe noe noe noe noe noe n	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.938 \\ p = 0.7 \\ 0.939 \\ 0.938 \\ 0.928 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.910 \\ p = 0.8 \mid 0.910 \\ 0.911 \\ 0.920 \\ 0.916 \\$	0.258 0.946 Ibl = 0.0 0.938 0.947 0.947 Ibl = 0.4 0.947 Ibl = 0.4 0.948 0.946 0.946 0.996 0.998	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.949 A supp 0.965 0.965 0.958 0.953 0.963 0.974 0.961 A supp 0.953 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.964 0.924 0.924 0.924 0.924 0.924	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.8039 0.667 0.633 0.667 0.633 0.707 0.633 0.707 0.633 0.707 0.633 0.707	0.936 0.941 B supp 0.938 0.941 0.941 0.941 0.939 0.938 B supp 0.949 0.949 0.949 0.941 0.950 0.950 0.950 0.950 0.950 0.950 0.950 0.962 0.962 0.962 0.962 0.962 0.962 0.962 0.963 0.963 0.933 0.933 0.933 0.933 0.933 0.933 0.939	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.679 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 0.250 0.500 0.045 0.278 0.320 0.450 0.502 0.348 0.348 0.250 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.500 0.045 0.500 0.045 0.500	0.760 0.755 0.604 0.587 0.594 0.594 0.596 0.605 0.709 0.696 0.703 0.694 0.754 0.715 0.792 0.752 0.732 0.744 0.726 0.726 0.726 0.726 0.728 0.583	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.181 0.431 0.185
mitigator_equalized_odds re none reweight_auto A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.936 \\ 0.936 \\ 0.936 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.928 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.940 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.911 \\ 0.924 \\ 0.910 \\ 0.910 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.9$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \ \mathbf{lbl} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ \hline \ \mathbf{lbl} = 0.4 \\ 0.926 \\ 0.926 \\ 0.926 \\ 0.928 \\ 0.928 \\ 0.908 \\ 0.928 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.904 \\ 0.936 \\ 0.904 \\ 0.940 \\ 0.936 \\ 0.904 \\ 0.940 \\ 0.936 \\ 0.904 \\ 0.940 \\ 0.936 \\ 0.904 \\ 0.940 \\ 0.936 \\ 0.904 \\ 0.940 \\ 0.936 \\ 0.906 \\ 0.936 \\ 0.906 \\ 0.908$	0.973 0.971 0.973 0.971 0.950 0.930 0.930 0.943 0.949 0.965 0.965 0.958 0.953 0.960 0.977 0.946 0.938 0.961 0.963 0.963 0.963 0.963 0.963 0.963 0.994 0.922 0.940 0.924	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.935 0.807 0.633 0.667 0.633 0.529 0.941 0.588 0.941 0.588 0.595 0.667 0.633 0.600 0.818 0.818 0.819 0.999 0.999 0.999 0.9818 0.999 0.999 0.999 0.9818 0.999	0.936 0.941 B supp 0.938 0.944 0.939 0.938 B supp 0.949 0.949 0.949 0.942 0.962 0.962 0.962 0.962 0.963 0.942 0.963 0.942 0.965 B supp 0.933 0.943 0.943 0.933 0.943 0.933 0.944 0.935 B supp 0.932 0.935 B supp 0.932 0.935 0.942 0.955 B supp 0.932 0.935 0.943	0.050 0.391 0.391 0.877 0.893 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.320 0.452 0.345 ort = 344 0.250 0.002 0.455 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.500 0.445 0.500 0.450 0.500 0.878 0.897 0.430 0.900 ort = 234 0.500 0.900 0.878	0.760 0.750 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.703 0.703 0.704 0.754 0.715 0.709 0.732 0.744 0.757 0.726 0.726 0.589 0.578 0.589	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.067 0.105 0.067 0.105 0.067 0.105 0.081 0.067 0.105 0.081
mitigator_demographic_parity mitigator_equalized_odds re none noe reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.938 \\ p = 0.7 \\ 0.939 \\ 0.938 \\ 0.928 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.910 \\ p = 0.8 \mid 0.910 \\ 0.911 \\ 0.920 \\ 0.916 \\$	0.258 0.946 Ibl = 0.0 0.938 0.947 0.947 Ibl = 0.4 0.947 Ibl = 0.4 0.948 0.946 0.946 0.996 0.998	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.949 A supp 0.965 0.965 0.958 0.953 0.963 0.974 0.961 A supp 0.953 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.964 0.924 0.924 0.924 0.924 0.924	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.8039 0.667 0.633 0.667 0.633 0.707 0.633 0.707 0.633 0.707 0.633 0.707	0.936 0.941 B supp 0.938 0.941 0.941 0.941 0.939 0.938 B supp 0.949 0.949 0.949 0.941 0.950 0.950 0.950 0.950 0.950 0.950 0.950 0.962 0.962 0.962 0.962 0.962 0.962 0.962 0.963 0.963 0.933 0.933 0.933 0.933 0.933 0.933 0.939	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.679 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 0.250 0.500 0.045 0.278 0.320 0.450 0.502 0.348 0.348 0.250 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.500 0.045 0.500 0.045 0.500	0.760 0.755 0.604 0.587 0.594 0.594 0.596 0.605 0.709 0.696 0.703 0.694 0.754 0.715 0.792 0.752 0.732 0.744 0.726 0.726 0.726 0.726 0.728 0.583	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.181 0.431 0.185
mitigator_demographic_parity mitigator_equalized_odds noe noe reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_demographic_parity	$\begin{array}{l} 0.932 \\ 0.934 \\ 0.934 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.930 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.912 \\ 0.907 \\ 0.910 \\$	0.258 0.946 Ibl = 0.0 0.938 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.4 0.943 0.946 0.946 0.946 0.998 0.999	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.940 0.955 0.965 0.955 0.958 0.953 0.953 0.963 0.963 0.963 0.964 0.964 0.964 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.806 0.839 0.667 0.633 0.867 0.633 0.707 0.633 0.707 0.633 0.707 0.633 0.707 0.633 0.707 0.633 0.707 0.818 0.709 0.818 0.709 0.818 0.709 0.818 0.709 0.818 0.709 0.818 0.709 0.818	0.936 0.941 B supp 0.938 B supp 0.938 B supp 0.958 B supp 0.962 B supp 0.963 B supp 0.963 B supp 0.963 B supp 0.971 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903 0.903	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.670 0.506 0.056 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348 0.250 0.500 0.045 0.878 0.898 0.898 0.898 0.898 0.890 0.900	0.760 0.755 0.604 0.597 0.597 0.594 0.696 0.709 0.696 0.706 0.703 0.694 0.754 0.715 0.752 0.752 0.752 0.752 0.752 0.758 0.578 0.583 0.687 0.583	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.190 0.185 0.190 0.185 0.190 0.185 0.190 0.185
mitigator_demographic_parity mitigator_equalized_odds re none noe reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mone reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_demographic_parity mone reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.912 \\ 0.907 \\ 0.910 \\ p = 0.8 \mid 0.910 \\ 0.910 \\ p = 0.8 \mid 0.910 \\$	0.258 0.946 Ibl = 0.0 0.938 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.4 0.946 0.946 0.946 0.908	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.946 0.955 0.965 0.958 0.953 0.963 0.961 0.961 0.962 0.964 0.964 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.925 0.965 0.965	0.900 0.450 0.450 0.450 0.806 0.806 0.806 0.806 0.839 0.61 0.867 0.633 0.867 0.633 0.87 0.529 0.941 0.533 0.600 0.467 0.633 0.529 0.941 0.533 0.600 0.467 0.633 0.818 0.795 0.999 0.818 0.790	0.936 0.941 B supp 0.938 B supp 0.938 B supp 0.958 B supp 0.962 B supp 0.953 B supp 0.953 B supp 0.933 0.933 0.933 0.930 0.900 B supp 0.900	0.050 0.391 ort = 338 0.847 0.893 0.893 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 ort = 344 0.348 0.250 0.500 0.045 0.258 0.878 0.890 0.900 0.878 0.890 0.900	0.760 0.755 0.604 0.594 0.594 0.696 0.706 0.709 0.696 0.706 0.709 0.752 0.732 0.744 0.715 0.726 0.726 0.726 0.726 0.728 0.738 0.583 0.687 0.687 0.686 0.696 0.711 0.705	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.185 0.185 0.068 0.094 0.051 0.705 0.094
mitigator_demographic_parity mitigator_equalized_odds reweight_auto rew	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.937 \\ 0.939 \\ 0.939 \\ 0.931 \\ 0.924 \\ 0.911 \\ 0.924 \\ 0.916 \\ p = 0.8 \\ 0.916 \\ 0.925 \\ 0.916 \\ 0.925 \\ 0.916 \\ 0.925 \\ 0.946 \\ 0.940 \\ 0.946 \\ 0.948 \\ 0$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \ \mathbf{lbl} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ 0.947 \\ \hline \ \mathbf{lbl} = 0.4 \\ 0.943 \\ 0.926 \\ 0.946 \\ 0.946 \\ \hline \ \mathbf{lbl} = 0.5 \\ 0.928 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.904 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.936 \\ 0.993 \\ 0.994 \\ 0.995 \\ 0.993 \\ $	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.943 0.949 0.955 0.966 0.955 0.968 0.953 0.963 0.974 0.961 0.963 0.963 0.963 0.963 0.963 0.963 0.946 0.922 0.940 0.921 0.921 0.946 0.925 0.965 0.965 0.965	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.935 0.633 0.633 0.633 0.528 0.471 0.538 0.471 0.538 0.407 0.667 0.633 0.600 0.818 0.795 0.941 0.588 0.795 0.407 0.667 0.630 0.818 0.795 0.909 0.818 0.909 0.818 0.795 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.901	0.936 0.941 B supp 0.938 0.941 0.939 0.938 0.941 B supp 0.949 0.949 0.949 0.941 B supp 0.949 0.956	0.050 0.391 0.391 0.391 0.807 0.807 0.807 0.807 0.807 0.506 0.655 0.655 0.110 0.704 0.704 0.278 0.320 0.450 0.052 0.345 0.250 0.052 0.345 0.250 0.045 0.348 0.250 0.040 0.450 0.348 0.250 0.040 0.450 0.348 0.250 0.047 0.348 0.278 0.370 0.348 0.278 0.370 0.348 0.278 0.370 0.348 0.278 0.370 0.348 0.278 0.370 0.348 0.370 0.348 0.370 0.373 0.478 0.500 0.473 0.478	0.760 0.755 0.604 0.594 0.594 0.598 0.605 0.606 0.706 0.706 0.706 0.706 0.705 0.702 0.732 0.744 0.757 0.729 0.726 0.583 0.593 0.689 0.689 0.689 0.689 0.689 0.689 0.689 0.696	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.080 0.083 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.067 0.105 0.041 0.651 0.067 0.185 0.190 0.181 0.431 0.431 0.185 0.068 0.094 0.056
mitigator_demographic_parity mitigator_equalized_odds reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_auto reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re none reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds re reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds rep reweight_manual_A0.5_B1.5 mitigator_demographic_parity mitigator_equalized_odds	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.920 \\ 0.912 \\ 0.907 \\ 0.910 \\ p = 0.8 \mid 0.910 \\ 0.910 \\ p = 0.8 \mid 0.910 \\$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.944 \\ 0.571 \\ 0.947 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.926 \\ 0.946 \\ 0.946 \\ \hline 0.928 \\ 0.928 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.908 \\ 0.909 \\ 0$	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.946 0.955 0.965 0.958 0.953 0.963 0.961 0.961 0.962 0.964 0.964 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.924 0.925 0.965 0.965	0.900 0.450 0.450 0.450 0.806 0.806 0.806 0.806 0.839 0.61 0.867 0.633 0.867 0.633 0.87 0.529 0.941 0.533 0.600 0.467 0.633 0.529 0.941 0.533 0.600 0.467 0.633 0.818 0.795 0.999 0.818 0.790	0.936 0.941 B supp 0.938 0.949 0.941 0.939 0.938 B supp 0.949 0.949 0.941 0.939 0.941 B supp 0.949 0.942 0.958 0.942 0.962 0.962 0.962 0.962 0.962 0.933 0.933 0.933 0.933 0.933 0.934 B supp 0.923 B supp 0.923 0.918 B supp 0.923 0.996	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.500 0.045 0.348 0.500 0.045 0.348 0.500 0.045 0.348 0.500 0.073 0.500 0.073 0.500 0.073 0.500 0.073 0.073	0.760 0.755 0.604 0.594 0.594 0.696 0.706 0.709 0.696 0.706 0.709 0.752 0.732 0.744 0.715 0.726 0.726 0.726 0.726 0.728 0.738 0.583 0.687 0.687 0.686 0.696 0.711 0.705	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.067 0.185 0.185 0.185 0.068 0.094 0.051 0.705 0.094
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reweight_	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.930 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.930 \\ 0.920 \\ 0.941 \\ 0.912 \\ 0.907 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.912 \\ 0.910 \\ 0.9$	0.258 0.946 Ibl = 0.0 0.938 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.4 0.948 0.946 Ibl = 0.5 0.928 0.928 0.928 Ibl = 0.5 0.928 0.936 0.944 0.940 0.946 0.946 0.940 0.956 0.936 0.944 0.940 0.940 0.940 0.944 0.940 0.944 0.940 0.944 0.933 0.936 0.944 0.933 0.936 0.944 0.933 0.936 0.944 0.933 0.936 0.944 0.939 0.944 0.939 0.953 0.953	0.973 0.971 A supp 0.950 0.930 0.937 0.949 A supp 0.965 0.965 0.958 0.953 A supp 0.974 0.946 0.965 0.966 A supp 0.966 0.966 A supp 0.966 0.966 A supp 0.966 0.966 A supp 0.972 0.946 0.955 0.966	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.806 0.807 0.633 0.667 0.633 0.867 0.638 0.795 0.529 0.941 0.588 0.471 0.533 0.600 0.467 0.533 0.610 0.818 0.818 0.795 0.999 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.600 0.467 0.600 0.607 0.600 0.607 0.808 0.600 0.607 0.808 0.600 0.607 0.808 0.600 0.607 0.808 0.600 0.808	0.936 0.941 B supp 0.938 0.949 0.938 B supp 0.958 0.949 0.969	0.050 0.0391 ort = 338 0.847 0.893 0.897 0.290 0.867 ort = 349 0.556 0.655 0.110 0.704 0.278 0.320 0.450 0.052 0.348 0.250 0.005 0.500 0.045 0.348 0.250 0.500 0.045 0.348 0.900 0.878 0.430 0.900 0.878 0.430 0.900 0.878 0.430 0.900 0.450 0.500 0.450 0.501 0.450 0.502 0.450 0.503	0.760 0.755 0.604 0.587 0.594 0.696 0.703 0.703 0.704 0.775 0.792 0.7726 0.726 0.726 0.583 0.583 0.592 0.583 0.687 0.689 0.705 0.705 0.705 0.705 0.706 0.707 0.725 0.698 0.708	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.185 0.190 0.181 0.431 0.185 0.094 0.056 0.094 0.051 0.705 0.098
mitigator_demographic_parity mitigator_equalized_odds re none reweight_auto reveight_auto reveight_auto reveight_auto reweight_auto reweight_	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.925 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.925 \\ 0.910 \\$	0.258 0.946 Ibl = 0.0 0.938 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.4 0.946 Ibl = 0.5 0.988 0.998 0.998 Ibl = 0.6 0.936 0.908 0.908 Ibl = 0.6 0.936 0.908 0.908 Ibl = 0.7 0.908 0.908 0.908 Ibl = 0.908 0.908 0.908 0.908 Ibl = 0.908	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.940 0.955 0.965 0.958 0.953 0.953 0.961 0.961 0.962 0.962 0.964 0.964 0.964 0.965 0.965 0.965 0.965 0.965 0.965 0.965	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.806 0.807 0.633 0.867 0.633 0.867 0.633 0.71 = 887 0.529 0.941 0.533 0.607 0.633 0.607 0.633 0.600 0.467 0.633 0.600 0.467 0.600 0.818 0.795 0.818 0.795 0.818 0.795 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.790 0.818 0.990 0.818 0.990 0.818 0.900 0.900 0.818 0.900 0.900 0.818 0.900 0.900 0.800	0.936 0.941 B supp 0.938 B supp 0.958 B supp 0.969 0.998 B supp 0.969 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.993	0.050 0.391 ort = 338 0.847 0.893 0.897 0.297 0.291 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.348 0.348 0.238 0.071 0.878 0.890 0.900 0.490 0.878 0.890 0.900 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.493	0.760 0.755 0.604 0.594 0.594 0.598 0.606 0.709 0.696 0.706 0.706 0.706 0.705 0.709 0.752 0.732 0.744 0.757 0.726 0.729 0.729 0.728 0.583 0.697 0.689 0.698 0.698 0.699 0.699 0.705 0.705 0.705 0.705 0.706 0.707 0.729	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.080 0.083 0.077 0.100 0.069 0.056 0.081 0.067 0.105 0.067 0.101 0.067 0.181 0.481
mitigator_demographic_parity mitigator_equalized_odds reweight_auto rew	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ p = 0.7 \\ 0.939 \\ 0.936 \\ 0.936 \\ 0.938 \\ p = 0.7 \\ 0.939 \\ 0.938 \\ 0.937 \\ 0.920 \\ 0.910 \\ 0$	$\begin{array}{c} 0.258 \\ 0.946 \\ \hline \mid \mathbf{bh} = 0.0 \\ 0.938 \\ 0.947 \\ 0.941 \\ 0.571 \\ \hline \mid \mathbf{bh} = 0.4 \\ 0.943 \\ 0.946 \\ 0.946 \\ 0.946 \\ 0.946 \\ 0.928 \\ 0.928 \\ 0.928 \\ 0.928 \\ 0.928 \\ 0.936 \\ 0.947 \\ 0.192 \\ 0.928 \\ 0.940 \\ 0.940 \\ 0.944 \\ 0.944 \\ 0.944 \\ 0.940 \\ 0.944 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.936 \\ 0.991 \\ 0.923 \\ 0.938 \\ 0.991 \\ 0.941 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.936 \\ 0.993 \\ 0.993 \\ 0.933 \\ 0.935 \\ 0.933 \\ 0.935 \\ 0.9$	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.943 0.949 0.955 0.965 0.958 0.953 0.953 0.963 0.974 0.961 0.963 0.993 0.993 0.993 0.993 0.994 0.924 0.922 0.940 0.924 0.925 0.965 0.965 0.965 0.966	0.900 0.450 0.450 0.0450 0.006 0.806 0.806 0.935 0.633 0.633 0.633 0.528 0.71 = 890 0.533 0.529 0.941 0.533 0.600 0.467 0.633 0.600 0.818 0.795 0.818 0.795 0.909 0.818 0.795 0.407 0.600 0.733 0.600 0.733 0.600 0.730 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.795 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818 0.909 0.818	0.936 0.941 B supp 0.938 0.949 0.941 0.934 0.941 0.939 0.938 0.942 0.958 0.949 0.958 0.969 0.958 0.969 0.962 0.962 0.962 0.962 0.962 0.963	0.050 0.391 ort = 338 0.847 0.893 0.877 0.291 0.867 ort = 349 0.679 0.556 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.348 0.250 0.052 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.250 0.045 0.348 0.278 0.878 0.878 0.897 0.430 0.409 0.503 0.473 0.773	0.760 0.755 0.604 0.594 0.594 0.598 0.606 0.706 0.706 0.706 0.706 0.706 0.706 0.702 0.732 0.744 0.757 0.729 0.729 0.729 0.583 0.696 0.696 0.696 0.696 0.706 0.706 0.729 0.721	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.083 0.083 0.077 0.100 0.069 0.056 0.081 0.067 0.105 0.067 0.101 0.067 0.181 0.481 0.481 0.481 0.481 0.481 0.068 0.094 0.051 0.068 0.094 0.051 0.068 0.094 0.051 0.068 0.094 0.051 0.068 0.094 0.051 0.068 0.094 0.051 0.068 0.094 0.051 0.068
mitigator_demographic_parity mitigator_equalized_odds reweight_auto rew	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.925 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.930 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.939 \\ 0.925 \\ 0.910 \\$	0.258 0.946 Ibl = 0.0 0.938 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.4 0.946 Ibl = 0.5 0.988 0.998 0.998 Ibl = 0.6 0.936 0.908 0.908 Ibl = 0.6 0.936 0.908 0.908 Ibl = 0.7 0.908 0.908 0.908 Ibl = 0.908 0.908 0.908 0.908 Ibl = 0.908	0.973 0.971 0.973 0.971 0.950 0.950 0.937 0.949 0.940 0.955 0.965 0.958 0.953 0.953 0.961 0.961 0.962 0.962 0.964 0.964 0.964 0.965 0.965 0.965 0.965 0.965 0.965 0.965	0.900 0.450 0.450 0.0450 0.006 0.806 0.806 0.935 0.633 0.633 0.633 0.529 0.941 0.529 0.941 0.533 0.600 0.467 0.663 0.588 0.467 0.663 0.588 0.467 0.667 0.680 0.593 0.600 0.407 0.667 0.600 0.733	0.936 0.941 B supp 0.938 B supp 0.958 B supp 0.969 0.998 B supp 0.969 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.992 0.993	0.050 0.391 ort = 338 0.847 0.893 0.897 0.297 0.291 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.348 0.348 0.238 0.071 0.878 0.890 0.900 0.490 0.878 0.890 0.900 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.493	0.760 0.755 0.604 0.587 0.594 0.696 0.703 0.703 0.704 0.775 0.792 0.7726 0.726 0.726 0.583 0.583 0.592 0.583 0.687 0.689 0.705 0.705 0.705 0.705 0.706 0.707 0.725 0.698 0.708	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.185 0.190 0.181 0.431 0.185 0.094 0.056 0.094 0.051 0.705 0.098
mitigator_equalized_odds re none reweight_auto and Ao.5_Bl.5 mitigator_equalized_odds re none reweight_auto and	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.930 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.930 \\ 0.930 \\ 0.940 \\ 0.941 \\ 0.942 \\ 0.941 \\ 0.912 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.942 \\ 0.943 \\ 0.948 \\ 0.925 \\ 0.935 \\ 0.935 \\ 0.935 \\ 0.935 \\ 0.935 \\ 0.932 \\ 0.929 \\ 0.932 \\ 0.929 \\ 0.932 \\ 0.929 \\ 0.932 \\ 0.929 \\ 0.932 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.939 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.929 \\ 0.930 \\ 0.930 \\ 0.929 \\ 0.930 \\$	0.258 0.946 Ibl = 0.0 0.938 0.947 0.944 0.571 Ibl = 0.4 0.936 0.928 Ibl = 0.5 0.936 0.948 0.946 Ibl = 0.5 0.938 0.928 Ibl = 0.6 0.936 0.948 0.940	0.973 0.971 A supp 0.950 0.930 0.937 0.949 A supp 0.965 0.965 0.965 0.953 A supp 0.974 0.946 0.965 0.963 0.963 0.964 0.965 0.966 A supp 0.972 0.946 0.924 0.924 0.924 0.924 0.924 0.925 0.966 A supp 0.966 A supp 0.966 0.966 A supp 0.966 0.966 A supp 0.968 A supp 0.968 A supp 0.968 A supp 0.968	0.900 0.450 0.450 0.806 0.806 0.806 0.806 0.806 0.806 0.807 0.633 0.667 0.633 0.627 0.638 0.795 0.529 0.941 0.533 0.529 0.941 0.533 0.600 0.467 0.533 0.600 0.467 0.533 0.795 0.999 0.818 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818 0.818 0.795 0.909 0.818	0.936 0.941 B supp 0.938 0.949 0.941 0.939 0.938 0.949 0.949 0.949 0.959 0.960 0.9	0.050 0.0391 ort = 338 0.847 0.893 0.897 0.290 0.867 ort = 349 0.556 0.655 0.110 0.704 0.278 0.320 0.450 0.052 0.348 0.250 0.005 0.348 0.250 0.045 0.348 0.250 0.500 0.045 0.348 0.250 0.500 0.047 0.430 0.900 0.878 0.390 0.897 0.430 0.900 0.878 0.430 0.900 0.878 0.430 0.900 0.154 0.478	0.760 0.755 0.604 0.595 0.605 0.606 0.709 0.696 0.703 0.703 0.704 0.754 0.719 0.752 0.732 0.744 0.755 0.583 0.592 0.583 0.696 0.706 0.706 0.706 0.707 0.726 0.726 0.726 0.726 0.726 0.726 0.727 0.726 0.727 0.726 0.728 0.729 0.729 0.729 0.729 0.720 0.721	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.850 0.081 0.067 0.105 0.041 0.651 0.185 0.190 0.181 0.431 0.185 0.094 0.051 0.705 0.094 0.051 0.705 0.094 0.051 0.705 0.094 0.051 0.705 0.094 0.072
mitigator demographic parity mitigator equalized_odds none reweight_manual_A0.5_B1.5 mitigator demographic parity mitigator_equalized_odds reweight_auto remewight_auto reweight_auto remewight_auto	$\begin{array}{c} 0.932 \\ 0.934 \\ 0.934 \\ p = 0.7 \\ 0.933 \\ 0.925 \\ 0.927 \\ 0.930 \\ 0.930 \\ 0.936 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.938 \\ 0.939 \\ 0.939 \\ 0.930 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.940 \\ 0.941 \\ 0.946 \\ 0.942 \\ 0.946 \\ 0.945 \\ 0.948 \\ 0.935 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.932 \\ 0.933 \\ 0.934 \\ 0.940 \\ 0.945 \\ 0.946 \\ 0.946 \\ 0.946 \\ 0.946 \\ 0.948 \\ 0.935 \\ 0.939 \\ 0.936 \\ 0.936 \\ 0.937 \\ 0.946 \\ 0.940 \\ 0.946$	0.258 0.946 Ibl = 0.0 0.938 0.947 0.944 0.571 Ibl = 0.4 0.947 Ibl = 0.5 0.928 0.994 0.946 0.946 0.996 0.998	0.973 0.971 0.973 0.971 0.950 0.950 0.930 0.937 0.949 A supp 0.965 0.965 0.958 0.953 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.963 0.964 0.924 0.921 0.924 0.921 0.925 0.965 0.965 0.965 0.965 0.965 0.965 0.965 0.965 0.965 0.965	0.900 0.450 0.450 0.0450 0.006 0.806 0.806 0.935 0.633 0.633 0.633 0.529 0.941 0.529 0.941 0.533 0.600 0.467 0.663 0.588 0.467 0.663 0.588 0.467 0.667 0.680 0.593 0.600 0.407 0.667 0.600 0.733	0.936 0.941 B supp 0.938 0.949 0.939 B supp 0.939 0.939 0.939 0.939 0.930 0.941 B supp 0.941 0.939 0.942 0.962 0.962 0.962 0.962 0.962 0.962 0.962 0.963 0.933 0.943 0.933 0.943 0.933 0.943 0.939 0.930	0.050 0.0391 ort = 338 0.847 0.893 0.867 ort = 349 0.679 0.506 0.655 0.110 0.704 ort = 360 0.278 0.320 0.450 0.052 0.345 0.250 0.052 0.345 0.500 0.045 0.900 0.400 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.045 0.500 0.400 0.500 0.500 0.400 0.500	0.760 0.755 0.604 0.587 0.594 0.598 0.605 0.709 0.696 0.706 0.703 0.694 0.754 0.715 0.726 0.726 0.726 0.726 0.726 0.726 0.726 0.727 0.726 0.727 0.727 0.728 0.729 0.725	0.050 0.175 0.166 0.169 0.589 0.178 0.080 0.103 0.083 0.679 0.077 0.100 0.069 0.056 0.851 0.067 0.105 0.067 0.105 0.067 0.181 0.431 0.185 0.068 0.094 0.051 0.705 0.098