Analysis Report

We report the following SageMaker analysis.

Pre-training Bias Metrics

We computed the bias metrics for the label `fraud` using label value(s)/threshold `0`.

- **customer_gender_female**

Value(s)/Threshold: 1

name	description	value	error
CDDL	Conditional Demographic Disparity in Labels (CDDL)	None	Group variable is empty or not provided
CI	Class Imbalance (CI)	0.403	NaN
DPL	Difference in Positive Proportions in Labels (DPL)	-0.0183174	NaN
JS	Jensen-Shannon Divergence (JS)	0.00195685	NaN
KL	Kullback-Liebler Divergence (KL)	0.0091816	NaN
KS	Kolmogorov-Smirnov Distance (KS)	0.0183174	NaN
LP	L-p Norm (LP)	0.0259047	NaN
TVD	Total Variation Distance (TVD)	0.0183174	NaN

Post-training Bias Metrics

We computed the bias metrics for the label `fraud` using label value(s)/threshold `0`.

- **customer_gender_female**

Value(s)/Threshold: 1

name	description	value	error
AD	Accuracy Difference (AD)	-0.0183174	NaN
CDDPL	Conditional Demographic Disparity in Predicted Labels (CDDPL)	None	Group variable is empty or not provided
DAR	Difference in Acceptance Rates (DAR)	-0.0183174	NaN
DCA	Difference in Conditional Acceptance (DCA)	-0.0183174	NaN
DCR	Difference in Conditional Rejection (DCR)	0	NaN
DI	Disparate Impact (DI)	1	NaN
DPPL	Difference in Positive Proportions in Predicted Labels (DPPL)	0	NaN
DRR	Difference in Rejection Rates (DRR)	0	NaN
FT	Flip Test (FT)	0	NaN
RD	Recall Difference (RD)	0	NaN
TE	Treatment Equality (TE)	0	NaN