

Analysis Report

We report the following SageMaker analysis.

Pre-training Bias Metrics

We computed the bias metrics for the label `star_rating` using label value(s)/threshold `5,4` .

- `product_category`

Value(s)/Threshold: Gift Card

name	description	value
CDDL	Conditional Demographic Disparity in Labels (CDDL)	0
CI	Class Imbalance (CI)	0.248181
DPL	Difference in Positive Proportions in Labels (DPL)	-0.27282
JS	Jensen-Shannon Divergence (JS)	0.0626479
KL	Kullback-Liebler Divergence (KL)	0.331237
KS	Kolmogorov-Smirnov Distance (KS)	0.27282
LP	L-p Norm (LP)	0.385826
TVD	Total Variation Distance (TVD)	0.27282

Value(s)/Threshold: Digital_Software

name	description	value
CDDL	Conditional Demographic Disparity in Labels (CDDL)	0
CI	Class Imbalance (CI)	0.485206
DPL	Difference in Positive Proportions in Labels (DPL)	0.198956
JS	Jensen-Shannon Divergence (JS)	0.0248215
KL	Kullback-Liebler Divergence (KL)	0.093371
KS	Kolmogorov-Smirnov Distance (KS)	0.198956
LP	L-p Norm (LP)	0.281366
TVD	Total Variation Distance (TVD)	0.198956

Value(s)/Threshold: Digital_Video_Games

name	description	value
CDDL	Conditional Demographic Disparity in Labels (CDDL)	0
CI	Class Imbalance (CI)	0.266613
DPL	Difference in Positive Proportions in Labels (DPL)	0.11185
JS	Jensen-Shannon Divergence (JS)	0.00841799
KL	Kullback-Liebler Divergence (KL)	0.0321677
KS	Kolmogorov-Smirnov Distance (KS)	0.11185
LP	L-p Norm (LP)	0.158179
TVD	Total Variation Distance (TVD)	0.11185