

Analysis Report

We report the following SageMaker analysis.

Post-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: Digital_Software

name	description	value
AD	Accuracy Difference (AD)	-0.07
CDDPL	Conditional Demographic Disparity in Predicted Labels (CDDPL)	0
DAR	Difference in Acceptance Rates (DAR)	0.2
DCA	Difference in Conditional Acceptance (DCA)	-0.696296
DCR	Difference in Conditional Rejection (DCR)	0.0782853
DI	Disparate Impact (DI)	0.37037
DPPL	Difference in Positive Proportions in Predicted Labels (DPPL)	0.226667
DRR	Difference in Rejection Rates (DRR)	0.149679
RD	Recall Difference (RD)	0.26011
TE	Treatment Equality (TE)	0.740741

Value(s)/Threshold: Digital_Video_Games

name	description	value
AD	Accuracy Difference (AD)	0.12
CDDPL	Conditional Demographic Disparity in Predicted Labels (CDDPL)	0
DAR	Difference in Acceptance Rates (DAR)	0.375
DCA	Difference in Conditional Acceptance (DCA)	-0.25
DCR	Difference in Conditional Rejection (DCR)	0.0319043
DI	Disparate Impact (DI)	0.666667
DPPL	Difference in Positive Proportions in Predicted Labels (DPPL)	0.106667
DRR	Difference in Rejection Rates (DRR)	-0.0324028
RD	Recall Difference (RD)	0.291667
TE	Treatment Equality (TE)	-1.33333

Value(s)/Threshold: Gift Card

name	description	value
AD	Accuracy Difference (AD)	-0.05
CDDPL	Conditional Demographic Disparity in Predicted Labels (CDDPL)	0
DAR	Difference in Acceptance Rates (DAR)	-0.40081
DCA	Difference in Conditional Acceptance (DCA)	0.574899
DCR	Difference in Conditional Rejection (DCR)	-0.148322
DI	Disparate Impact (DI)	2.92308
DPPL	Difference in Positive Proportions in Predicted Labels (DPPL)	-0.333333
DRR	Difference in Rejection Rates (DRR)	-0.161072
RD	Recall Difference (RD)	-0.410841
TE	Treatment Equality (TE)	1.03704

