Analysis Report

We report the following SageMaker analysis.

Pre-training Bias Metrics

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

• SEX

Value(s)/Threshold: 1

| value | description | name |
|-------------|--|------|
| 0.0427477 | Conditional Demographic Disparity in Labels (CDDL) | CDDL |
| 0.202083 | Class Imbalance (CI) | CI |
| 0.029108 | Difference in Positive Proportions in Labels (DPL) | DPL |
| 0.000610475 | Jensen-Shannon Divergence (JS) | JS |
| 0.00240546 | Kullback-Liebler Divergence (KL) | KL |
| 0.029108 | Kolmogorov-Smirnov Distance (KS) | KS |
| 0.0411649 | L-p Norm (LP) | LP |
| 0.029108 | Total Variation Distance (TVD) | TVD |

Post-training Bias Metrics

We computed the bias metrics for the label LABEL using label value(s)/threshold $\, {\bf 0} \,$.

• SEX

Value(s)/Threshold: 1

| value | description | name |
|------------|---|-------|
| 0.0100058 | Accuracy Difference (AD) | AD |
| 0.0650689 | Conditional Demographic Disparity in Predicted Labels (CDDPL) | CDDPL |
| 0.01021 | Difference in Acceptance Rates (DAR) | DAR |
| 0.00332345 | Difference in Conditional Acceptance (DCA) | DCA |
| -0.169578 | Difference in Conditional Rejection (DCR) | DCR |
| 0.966797 | Disparate Impact (DI) | DI |
| 0.029394 | Difference in Positive Proportions in Predicted Labels (DPPL) | DPPL |
| 0.00434564 | Difference in Rejection Rates (DRR) | DRR |
| -0.0798956 | Flip Test (FT) | FT |
| 0.00784246 | Recall Difference (RD) | RD |
| 0.0345895 | Treatment Equality (TE) | TE |
| | | |