Analysis Report We report the following SageMaker analysis. **Pre-training Bias Metrics** We computed the bias metrics for the label sentiment using label value(s)/threshold 1 for the below facets. product_category The groups are represented in the dataset with the following proportions. product_category Blouses Trend Blouses Swim Dresses Sweaters Fine gauge Intimates Sleep 5.6% Jackets 5.6% Skirts 5.6% Shorts Jeans Knits **Pants** Outerwear Layering Legwear Lounge Value(s)/Threshold: Blouses value description Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) KL 0.0 Kullback-Liebler Divergence (KL) KS 0.0 Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Dresses name description value CI Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) 0.0 Jensen-Shannon Divergence (JS) KLKullback-Liebler Divergence (KL) 0.0 KS 0.0 Kolmogorov-Smirnov Distance (KS) LP L-p Norm (LP) TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Fine gauge name description CI Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) 0.0 Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) KS Kolmogorov-Smirnov Distance (KS) 0.0 0.0 LP L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Intimates value name description CI Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 JS Jensen-Shannon Divergence (JS) Kullback-Liebler Divergence (KL) KL 0.0 0.0 KS Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Jackets description value name Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) JS Jensen-Shannon Divergence (JS) 0.0 Kullback-Liebler Divergence (KL) 0.0 KL 0.0 KS Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Jeans value name description CI Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 JS 0.0 Jensen-Shannon Divergence (JS) 0.0 Kullback-Liebler Divergence (KL) KS 0.0 Kolmogorov-Smirnov Distance (KS) LP L-p Norm (LP) 0.0 TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Knits value name description Class Imbalance (CI) 0.888889 CI DPL Difference in Positive Proportions in Labels (DPL) 0.0 JS Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) 0.0 KS 0.0 Kolmogorov-Smirnov Distance (KS) LP L-p Norm (LP) 0.0 TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Layering name description value CI Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) 0.0 Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) KS Kolmogorov-Smirnov Distance (KS) 0.0 LP 0.0 L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Legwear description value name CI Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) JS Jensen-Shannon Divergence (JS) 0.0 0.0 KL Kullback-Liebler Divergence (KL) KS Kolmogorov-Smirnov Distance (KS) 0.0 0.0 LP L-p Norm (LP) Total Variation Distance (TVD) TVD 0.0 Value(s)/Threshold: Lounge value description Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 JS 0.0 Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) 0.0 KS Kolmogorov-Smirnov Distance (KS) 0.0 LP L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Outerwear name description value Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) Kullback-Liebler Divergence (KL) KL 0.0 0.0 KS Kolmogorov-Smirnov Distance (KS) LP L-p Norm (LP) 0.0 TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Pants value name description Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) KL 0.0 Kullback-Liebler Divergence (KL) KS Kolmogorov-Smirnov Distance (KS) 0.0 LP 0.0 L-p Norm (LP) Total Variation Distance (TVD) Value(s)/Threshold: Shorts description value name CI Class Imbalance (CI) 0.888889 0.0 DPL Difference in Positive Proportions in Labels (DPL) JS Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) 0.0 KS 0.0 Kolmogorov-Smirnov Distance (KS) LP L-p Norm (LP) 0.0 TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Skirts value description CI Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) 0.0 KS Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) Value(s)/Threshold: Sleep name description value Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) KL Kullback-Liebler Divergence (KL) 0.0 KS 0.0 Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Sweaters description value name Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) KL 0.0 Kullback-Liebler Divergence (KL) KS Kolmogorov-Smirnov Distance (KS) 0.0 LP 0.0 L-p Norm (LP) 0.0 TVD Total Variation Distance (TVD) Value(s)/Threshold: Swim description value Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 0.0 Jensen-Shannon Divergence (JS) Kullback-Liebler Divergence (KL) 0.0 KS Kolmogorov-Smirnov Distance (KS) 0.0 LP L-p Norm (LP) Total Variation Distance (TVD) 0.0 Value(s)/Threshold: Trend description Class Imbalance (CI) 0.888889 DPL Difference in Positive Proportions in Labels (DPL) 0.0 Jensen-Shannon Divergence (JS) 0.0 KL Kullback-Liebler Divergence (KL) 0.0 0.0 Kolmogorov-Smirnov Distance (KS) LP 0.0 L-p Norm (LP) TVD 0.0 Total Variation Distance (TVD) **Analysis Configuration Parameters** "dataset_type": "text/csv", "headers": ["sentiment", "review_body", "product_category" "label": "sentiment", "label_values_or_threshold": [1], "facet": ["name_or_index": "product_category" "methods": {

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