

Analysis Report

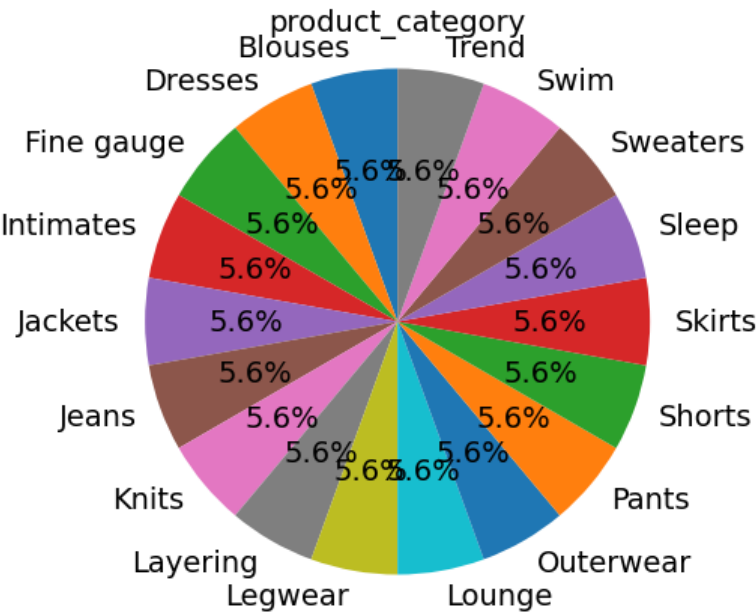
We report the following SageMaker analysis.

Pre-training Bias Metrics

We computed the bias metrics for the label `sentiment` using label value(s)/threshold `1` .

- `product_category`

The groups are represented in the dataset with the following proportions.



Value(s)/Threshold: Blouses

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Dresses

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Fine gauge

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Intimates

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Jackets

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Jeans

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Knits

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| 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 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Legwear

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Lounge

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Outerwear

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Pants

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Shorts

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Skirts

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Sleep

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Sweaters

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Swim

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |

Value(s)/Threshold: Trend

| name | description | value |
|------|--|----------|
| CI | Class Imbalance (CI) | 0.888889 |
| 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 | Kolmogorov-Smirnov Distance (KS) | 0.0 |
| LP | L-p Norm (LP) | 0.0 |
| TVD | Total Variation Distance (TVD) | 0.0 |