

Bias Detection Report

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Dataset Analyzed

The dataset analyzed is the Statlog dataset, focusing on the 'Other debtors / guarantors' feature.

Features Examined

- Other debtors / guarantors

Bias Type

- Distribution Bias

Tools Used and Values Obtained

- Shannon Entropy: 0.538
- Balance Metric: 0.340 (Level 4)
- Max/Min Ratio: 22.12 (Level 4)
- Normalized Entropy: 0.340 (Level 4)

Extent of Bias

The bias in the 'Other debtors / guarantors' feature is categorized as significant, indicating

over-representation of certain categories.

Findings and Recommendations

The analysis indicates significant distribution bias in the 'Other debtors / guarantors' feature. Caution is advised when using this dataset for decision-making, as certain categories are over-represented. It may be beneficial to investigate the causes of this imbalance and consider adjustments to ensure fair representation.