

Bias Detection Report

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Dataset Analyzed: COMPAS

Features Examined: Language, ScoreText

Type of Bias Detected: Correlation

Tools Used: Cramér's V, Elift, Wasserstein-2 Distance

Cramér's V Result: 0.031

- Interpretation: Indicates minimal association between Language and ScoreText.

Elift Result: 1.32

- Interpretation: Suggests a weak correlation between Language and ScoreText.

Wasserstein-2 Distance Result:

- English vs. Spanish: 0.146

- Interpretation: Some distributional difference in scores, but not extreme.

Conclusion:

The dataset shows minimal bias in terms of language influencing assessment scores. While there are slight variations in the distribution of scores between language groups, these are not substantial enough to be concerning.

Recommendations:

The dataset can be used with confidence, but consider these findings in specific applications where language might influence outcomes.