

# Bias Detection Report

This report analyzes the bias in the Language feature of the COMPAS dataset.

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The analysis uses the Chi-Square test, Standardized Difference calculation, and Shannon entropy and Balance metric calculation.

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The results show no significant association between the Language and Sex\_Code\_Text features, no significant bias in the RawScore feature across the Language categories, and a moderate level of bias in the Language feature.

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The Language feature in the COMPAS dataset shows a moderate level of bias.

Further analysis is recommended to understand the causes of the bias and to develop strategies to mitigate it.