Bias Detection Report

The dataset analyzed is 'source_files/COMPAS.csv'.

The features examined are 'Sex_Code_Text' and 'RecSupervisionLevel'.

The type of bias detected is Correlation.

The tools used are t-test, Cohen's d calculation, and categorical_numerical_correlation_cohens_d.

The values obtained are T-statistic: 19.31383929232892, p-value: 7.283298576655397e-83, and Effect Size (Cohen's d): 0.19884145467825062.

The extent of the bias is moderate.

The natural language interpretation of the bias severity is that the feature 'RecSupervisionLevel' shows a moderate level of bias, with a statistically significant difference in means between males and females.

The recommendations for the user regarding the use of the dataset are to be cautious when using the 'RecSupervisionLevel' feature, as it may be biased towards one gender.