Bias Detection Report

Analysis of Correlation Bias between Language and Recommended Supervision Leve

Objective: To determine if there is a correlation bias between the 'Language' and 'RecSupervisionLevelText' features in the dataset.

Methodology:

- **Chi-Square Test:** Used to determine the association between the two categorical features.

- **Visualization:** Stacked bar chart and heatmap to depict the distribution and correlation.

Results:

- **Chi-Square Statistic:** 113.27

- **p-value:** 2.17e-24

- **Degrees of Freedom:** 3

- The very low p-value indicates a statistically significant association, suggesting an extreme bias.

Conclusion:

- There is an extreme bias between 'Language' and 'RecSupervisionLevelText', which may impact

supervision recommendations based on language.

- Further investigation and potential adjustments may be necessary to mitigate this bias in decision-making processes.

Stacked Bar Chart of Language vs RecSupervisionLevelText

Heatmap of Language Frequency