Bias Detection Report

Bias Detection Report for 'Adult.csv' Dataset

The analysis focused on detecting bias related to the 'native-country' feature and its influence on 'income'.

Findings indicate a moderate level of bias in income distribution across different nationalities, as evidenced by the Statistical Parity and Total Variation analyses.

Overall Bias Level: Level 3 (Moderate bias)

Cramér's V Analysis: Level 1 (No significant bias)

Statistical Parity Analysis: Level 3 (Moderate bias)

Total Variation Analysis: Level 3 (Moderate bias)

Explanation: The analysis suggests that while the overall association between nationality and income is weak, there are moderate disparities in income distribution among different nationalities. This indicates that certain nationalities may experience different income outcomes, which could be indicative of bias in the dataset.