

Bias Detection Report

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1. Bias Type: Distribution

2. Relevant Feature(s): race

3. Bias Level: Extreme Bias

4. Findings: The analysis of the 'race' column using the Shannon balance metric indicates a significant imbalance in the racial distribution. The Balance metric is 0.343998874371993, which is below the threshold for Level 5 bias, indicating extreme bias. The Shannon Entropy of 0.7987406510139587 further supports this finding, suggesting a lack of diversity in the racial categories.

5. Additional Explanation: The extreme bias in the racial distribution suggests that the dataset may not adequately represent all racial groups, potentially leading to skewed results or conclusions. This could affect the reliability of any models or analyses conducted using this data. It is crucial to assess the potential impact of this bias and consider strategies to enhance the dataset's representativeness.