

# Bias Detection Report

## Bias Detection Report for 'patient\_race' Feature

1. Bias Type: Distribution

2. Relevant Feature(s): patient\_race

3. Bias Level: Level 4 (Significant Bias)

4. Explanation: Based on my analysis, the distribution of patient races in this dataset displays significant bias. The Shannon entropy analysis returned a normalized entropy value of 0.4826, which indicates that the distribution is not uniform and suggests overrepresentation of certain races. This level of bias could impact the accuracy of your analysis in certain contexts. I would advise a cautious assessment of the potential effects before using this dataset.

5. Additional Explanation: The entropy value of 2.3443 and normalized entropy of 0.4826 suggest that the diversity of the 'patient\_race' feature is limited, with certain categories being more prevalent than others. This could lead to skewed results if the dataset is used for analysis without addressing this imbalance.