Bias Detection Report

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Bias Type: Distribution

Relevant Feature(s): workclass

Bias Level: Level 4 (Significant Bias)

Explanation: The Balance metric of 0.5199 suggests a significant bias in the distribution of work classes. The Shannon entropy of 1.648 indicates a moderate level of uncertainty in the distribution, which aligns with the significant bias level. This suggests that some work classes are overrepresented, which may affect the dataset's reliability.