

Bias Detection Report

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Dataset Analyzed:

- File: Adult.csv

Features Examined:

- Marital Status

Types of Bias Detected:

- Distribution Bias

Tools Used:

- Max/Min Ratio Analysis
- Chi-Square Test

Values Obtained and the Extent of the Bias:

- Max/Min Ratio: 651.13

- Chi-Square Statistic: 44,909.43
- Critical Value (95% Confidence): 12.59

Visualizations:

- Bar Chart: See attached
- Pie Chart: See attached

Interpretation of the Bias Severity:

- Extreme Bias Detected

Recommendations:

- Carefully consider the implications of this bias in any analysis or decision-making process.
- Consider rebalancing or adjusting the dataset if necessary.



