

Bias Detection Report

Bias Detection Report: Student Residence Distribution

Dataset: Student Performance.csv

Feature Analyzed: address (Urban vs Rural)

Type of Bias Detected: Distribution

Tools and Methods Used:

1. Max/Min Ratio Method
2. Jensen-Shannon Divergence (JSD)

Results:

- Max/Min Ratio: 3.49 (Minimal Bias)
- Jensen-Shannon Divergence: 0.03 (Minimal Bias)

Interpretation:

The analysis indicates a minimal bias in the distribution of urban and rural students. The dataset shows slight unevenness but remains fairly balanced.

Recommendations:

The dataset can be used with confidence, keeping in mind the slight imbalance in specific cases.

Pie Chart of address

