

Bias Detection Report

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Dataset Analyzed

- **File**: source_files/Adult.csv

Features Examined

- **Native Country**
- **Income**

Type of Bias Detected

- **Correlation Bias** between 'Native Country' and 'Income'

Tools and Methods Used

- **Chi-Square Test**
- **Bar Chart Visualization**

Analysis Results

- **Chi-Square Statistic**: 317.23
- **p-value**: 2.21e-44
- **Visualization**: Refer to the bar chart for income distribution across native countries.

Interpretation of Bias Severity

The analysis indicates a significant correlation bias between 'Native Country' and 'Income'. The Chi-Square test results show a strong association, supported by the visualization.

Recommendations

The significant correlation bias suggests that 'Native Country' may influence 'Income'. It's recommended to consider this bias when making decisions based on this dataset.

