Bias Detection Report

Bias Detection Report: Age and Income Correlation Analysis
Dataset Analyzed: source_files/Adult.csv
Features Examined:
- Age (Numerical)
- Income (Categorical)
Types of Bias Detected: Correlation Bias
Tools and Methods Used:
- HSIC Method for Correlation Detection
- SPD Method for Distribution Bias Analysis
Results:
- HSIC Value: 1.89e-11 (Indicating No Significant Correlation Bias)
- SPD Values:
- Young: 0.169
- Middle: 0.370
- Old: 0.201
Interpretation:

- HSIC indicates no significant correlation between age and income.

- SPD shows minimal to moderate variation in income distribution across age categories.
Recommendations:
- The dataset is suitable for use without concerns for significant correlation bias.
- Consider the minimal to moderate distribution bias in specific age-related analyses.