Bias Detection Report

The dataset analyzed is the Adult.csv dataset, which contains information about individuals, including their age, workclass, education, and income.

The features examined are native-country and income.

The type of bias detected is correlation bias.

The tools used are the causal Bayesian network method and linear regression.

The values obtained are the Average Causal Effect (ACE) of native-country on income and the mean squared error of the linear regression model.

The extent of the bias is significant, indicating that there is a strong correlation between native-country and income.

The visualizations used are not provided in this case, but they could include plots of the distribution of income by native-country and scatter plots of income vs. native-country.

My natural language interpretation of the bias severity is that there is a significant correlation between native-country and income, indicating that individuals from certain countries may have an advantage or disadvantage in terms of income.

My recommendations for the user regarding the use of the dataset are to be cautious when using the dataset for decision-making, as the correlation between native-country and income may lead to biased outcomes.

Additionally, the user may want to consider using techniques such as data preprocessing or feature engineering to reduce the bias in the dataset.