Bias Detection Report

Based on the results from the Chi-Square test and the Pearson Chi-square test, it appears that there is a significant deviation from the expected distribution in the 'native-country' feature and a correlation bias between the 'native-country' and 'income' features.

The Chi-square statistic for the 'native-country' feature is 317.23, which is larger than the critical value, indicating a significant deviation from the expected distribution. The p-value is 2.21e-44, which is less than 0.05, confirming the significance of the result.

The Pearson Chi-square statistic for the correlation between the 'native-country' and 'income' features is 317.23, which is larger than the critical value, indicating a significant correlation bias. The p-value is 2.21e-44, which is less than 0.05, confirming the significance of the result.

Therefore, the bias level for the 'native-country' feature is Level 5 (Extreme Bias), and the bias level for the correlation between the 'native-country' and 'income' features is also Level 5 (Extreme Bias).

Bias Type: Distribution and Correlation

Relevant Feature(s): native-country and income

Bias Level: Level 5 (Extreme Bias)