

Bias Detection Report

The overall bias level is: Level 2

Here is a detailed summary of the conclusions based on the results obtained from each method:

1. Bias Type: Correlation
2. Relevant Feature(s): Job, Credit risk (Good/Bad)
3. Bias Level:

The Chi-square test and Cramér's V results indicate a weak association between the "Job" and "Credit risk (Good/Bad)" features. The p-value from the Chi-square test is 0.5965815918843433, which is greater than the typical significance level of 0.05, indicating that we cannot reject the null hypothesis of independence. Additionally, Cramér's V value of 0.04341838352602698 is relatively low, suggesting a weak association between the two features.

4. Additional Explanation:

The Balance metric for the "Credit risk (Good/Bad)" feature is 0.8812908992306927, and the Shannon entropy is also 0.8812908992306927. These values indicate a moderate level of distribution bias in the "Credit risk (Good/Bad)" feature.