

Bias Detection Report

Based on the results from the tools used, the bias level is categorized into Level 1, which means there is no significant bias between the 'sex' and 'capital-gain' features in the Adult.csv dataset.

The results from the tools indicate that the relevant metrics are very close to the ideal state. For instance, the t-test result shows no significant difference between the means of the 'capital-gain' feature for males and females, and the effect size (Cohen's d) is relatively small. Additionally, the Standardized Difference (SD) values for each category are within the range of -1 to 1, indicating no significant bias.

Therefore, it can be concluded that there is no significant correlation between the 'sex' and 'capital-gain' features in the Adult.csv dataset.