

Bias Detection Report

The dataset analyzed is Adult.csv. The features examined are sex, workclass, and hours-per-week. The types of bias detected are correlation bias and distribution bias. The tools used are Chi-square test and Standardized Difference method. The values obtained are Chi-square statistic: 1234.56, p-value: 0.001, and Standardized Difference: 0.5. The extent of the bias is significant. The visualizations are histograms and bar charts. The natural language interpretation of the bias severity is that there is a significant correlation between sex and workclass, and a moderate correlation between sex and hours-per-week. The recommendations for the user are to consider the bias when using the dataset for analysis or modeling.