

Bias Detection Report

Bias Detection Analysis Report

This report presents the findings from the analysis of potential bias in the 'Adult' dataset, particularly focusing on the influence of the 'race' feature on income.

Kolmogorov-Smirnov Test Results

The Kolmogorov-Smirnov test was conducted on the 'race' feature to detect distribution bias. The results showed a KS Statistic of 0.0 and a P-Value of 1.0, indicating no significant distribution bias in the 'race' feature.

Chi-Square Test Results

The Chi-Square test analyzed the correlation between 'race' and 'income'. The results revealed a Chi-Square Statistic of 330.92 and a P-Value of 2.31e-70, indicating a significant correlation bias.

Conclusion

The analysis identified a significant correlation bias between 'race' and 'income', suggesting that race may influence income in this dataset. This warrants further investigation into potential causes and implications of this bias.