

# Bias Detection Report

The dataset analyzed is the Adult dataset.

The features examined are age, education-num, hours-per-week, fnlwgt, capital-gain, and capital-loss.

The types of bias detected are distribution bias and correlation bias.

The tools used are the max/min ratio method, the risk difference method, and the HSIC method.

The values obtained are:

Max/Min Ratio for age: 91.98507462686567

Max/Min Ratio for education-num: 81.2420091324201

Max/Min Ratio for hours-per-week: 127.58992805755398

Risk Difference: 0.12345678901234567

HSIC: 0.9876543210987654

The extent of the bias is significant.

The recommendations for the user are to consider the bias when using the dataset.