

# Bias Detection Report

This report provides an analysis of the distribution of household roles in the dataset 'Adult.csv'. The focus is on the 'relationship' feature, which describes the role of individuals within a household.

Entropy Analysis: The normalized entropy value is 0.833, indicating a Level 2 (Minimal Bias). This suggests a relatively high diversity in the distribution of household roles, with only minimal bias present.

Gini Coefficient Analysis: The Corrected Gini Index is 0.732, and the Adjusted Gini Index is 0.879, indicating a moderate level of inequality in the distribution, suggesting some bias.

Max-Min Ratio Analysis: The ratio is approximately 13.45, indicating a significant disparity between the most and least common categories, suggesting a notable bias.

