

# Bias Detection Report

Dataset Analyzed: Student Performance.csv

Features Examined: address, sex

Types of Bias Detected: Distribution bias in the 'address' feature

Tools Used: Chi-square test, Shannon entropy analysis

Values Obtained: p-value = 0.656, Shannon entropy = 0.530

Extent of Bias: The bias is not extreme

Visualizations: Bar chart for the 'address' feature

Natural Language Interpretation: The distribution of the 'address' feature shows some level of bias, but it is not extreme.

Recommendations: The dataset can be used for analysis, but the user should be aware of the potential bias in the 'address' feature.