Bias Detection Report

The analysis of the 'famrel' column in the 'Student Performance' dataset reveals a slight bias in the distribution of family relationship quality among students.

The skewness analysis indicates a moderate negative skewness (Level 4), suggesting a tendency for students to report higher family relationship quality.

The kurtosis analysis shows no significant bias (Level 1), indicating moderate variability in responses.

Outlier detection reveals a low percentage of outliers (2.03%), indicating no significant bias due to extreme values (Level 1).

Overall, the bias level for the 'famrel' feature is Level 2, indicating a slight bias primarily due to the moderate negative skewness.

This suggests that while there is a tendency for students to report higher family relationship quality, it is not severe and could be influenced by various factors such as cultural or social influences.