Bias Detection Report

Based on the analysis, we can conclude that:

* The distribution of grades in the G1 column is slightly skewed to the right, indicating a moderate level of bias.

* The kurtosis value of -0.69 suggests that the distribution is slightly platykurtic, which may indicate a moderate level of bias.

* The bar chart shows a relatively even distribution of grades, but with a slight peak at the higher end, which may indicate a moderate level of bias.

* The Cohen's d effect size of 0.18 suggests a small to moderate effect size, which may indicate a moderate level of bias.

Overall, based on these results, we can conclude that there is a moderate level of bias in the distribution of grades in the G1 column.

Bias Type: Distribution

Relevant Feature(s): G1

Bias Level: Level 3

Here is a detailed explanation of the bias extent and related findings:

* The skewness value of 0.24 indicates that the distribution is slightly skewed to the right, which may indicate that there are more students with higher grades than lower grades.

* The kurtosis value of -0.69 suggests that the distribution is slightly platykurtic, which may indicate that there are more students with extreme grades (either very high or very low) than expected.

* The bar chart shows a relatively even distribution of grades, but with a slight peak at the higher end, which may indicate that there are more students with higher grades than lower grades.

* The Cohen's d effect size of 0.18 suggests a small to moderate effect size, which may indicate that the bias is not extreme, but still significant.