

Bias Detection Report

Bias Detection Report for 'studytime' Feature in 'Student Performance.csv'

1. Bias Type: Distribution

2. Relevant Feature(s): studytime

3. Bias Level: Level 2 (Minimal Bias)

4. Explanation: The feature 'studytime' exhibits a minimal level of bias with a skewness value of 0.632. This indicates a slight right skew in the distribution, suggesting that there are more students with lower study times compared to those with higher study times. The dataset is suitable for use with minimal attention needed in specific scenarios.

5. Additional Explanation: The skewness value provides insight into the shape of the distribution. A value closer to zero would indicate a more symmetrical distribution, while higher values suggest more pronounced skewness. In this case, the skewness of 0.632 indicates a slight right skew, meaning that there are more students with lower study times compared to those with higher study times.