

Bias Detection Report

Bias Detection Report

Dataset Analyzed

The dataset consists of student performance data with features including school and final grades.

Features Examined

- Categorical: School
- Numerical: Final Grade (G3)

Bias Type

Correlation

Tools Used

- Cohen's d Analysis
- Standardized Difference Analysis
- Average Causal Effect (ACE)

Analysis Results

- **Cohen's d Effect Size:** 0.145 (Small effect size)
- **Standardized Difference:** 0.025 (Minimal difference)
- **Average Causal Effect (ACE):** -0.642 (Slight negative effect)

Bias Level

The analysis indicates minimal bias, suggesting that the school attended has a small effect on final grade.

Recommendations

The dataset can be used confidently, with minimal concerns about bias related to the school attended.

Additional Explanation

The analyses suggest that while school attendance has some impact on grades, it is not a major determinant. Consideration of other factors affecting performance is advised.

