

# Bias Detection Report

The analysis of the dataset 'MIMIC-IV\_cleaned.csv' reveals a Level 1 bias in the correlation between language ('patient\_lang') and survival rates ('hospital\_expire\_flag'). The Cohen's d effect size is approximately 0.14, indicating a very small effect size and no significant correlation. Visualizations, including a bar chart and heatmap, confirm the lack of significant correlation. The overall bias level is determined to be Level 1, suggesting that language barriers do not significantly affect patient outcomes in terms of mortality.

