

Bias Detection Report

Dataset Analyzed: MIMIC-IV.csv

Features Examined: Patient Gender, Hospital Expire Flag

Bias Type: Correlation

Chi-Square Test Results:

- Chi-Square Statistic: 0.0
- p-value: 1.0
- Conclusion: No significant association between gender and mortality rates.

Hilbert-Schmidt Independence Criterion (HSIC) Results:

- HSIC Value: 4.15e-07
- Conclusion: No significant correlation bias detected.

Overall Conclusion: Both the Chi-Square test and HSIC analysis indicate no significant correlation bias between gender and mortality rates during hospitalization in this dataset.