

Bias Detection Report

Bias Detection Report for MIMIC-IV Dataset

This report focuses on detecting correlation bias between patient gender and admission type (as a proxy for treatment plans) in the MIMIC-IV dataset.

Analysis Details:

1. Bias Type: Correlation
2. Relevant Features: patient_gender, admission_type
3. Method Used: Chi-Square Test
4. Results:
 - Chi-Square Statistic: 21.66
 - p-value: 0.0056
 - Degrees of Freedom: 8

Interpretation:

The significant p-value indicates a notable association between patient gender and admission type, suggesting potential bias.

Bias Level: Based on the Chi-Square test, the bias is considered Level 3 (Moderate Bias).

Recommendations: Further investigation is recommended to understand the implications of this bias in treatment planning.