Bias Detection Report

Bias Detection Report for MIMIC-IV Dataset Dataset Analyzed: MIMIC-IV Features Examined: patient_race, admission_type, discharge_location Bias Types Detected: Distribution and Correlation Distribution Analysis Results: - Shannon Balance Metric: 0.4826 (Level 4) - Gini Index: 0.6480 (Level 3) Correlation Analysis Results: - patient_race and admission_type: - Cramér's V: 0.1642 (Level 2) - Statistical Parity Z-value: 5.3877 (Level 5) - patient_race and discharge_location: - Cramér's V: 0.1847 (Level 2) - Statistical Parity Z-value: 7.8647 (Level 5) Conclusion: - Significant distribution bias in patient_race.

- Severe correlation biases with admission_type and discharge_location.

- Investigate disparities and consider corrective actions to ensure fairness in patient care.	

Recommendations: