

Bias Detection Report

Bias Detection Report for MIMIC-IV Dataset

The analysis focused on detecting potential disparities in patient care based on race.

Bias Type: Correlation

Relevant Features: patient_race, hospital_expire_flag

Bias Level: Categorical Distribution (patient_race): Level 4 (Moderate bias)

Bias Level: Categorical-Numerical Correlation (patient_race vs. hospital_expire_flag): Level 5 (Extreme bias)

Overall Bias Level: Level 5 (Extreme bias)

Explanation: The distribution of the 'patient_race' feature shows a moderate level of bias, indicating that certain racial groups are underrepresented or overrepresented in the dataset. The correlation analysis between 'patient_race' and 'hospital_expire_flag' reveals an extreme level of bias, suggesting significant disparities in patient care outcomes based on race. This could imply that certain racial groups experience different levels of care or outcomes, which is a critical issue that needs to be addressed.