Bias Detection Report

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Introduction:

This report presents the analysis of potential bias in the dataset 'MIMIC-IV.csv'. The focus is on examining the correlation between patient race and hospital mortality rates.

Data Description:

The dataset contains information on patient demographics and hospital outcomes. The relevant features analyzed are 'patient_race' and 'hospital_expire_flag'.

Analysis Method:

The correlation between 'patient_race' and 'hospital_expire_flag' was analyzed using Cramér's V, a measure of association between two categorical variables.

Results:

The Cramér's V value obtained is 0.215, indicating a minimal level of association between the two features. This suggests a minimal bias level.

Conclusion:

The analysis indicates a minimal bias in the dataset concerning the correlation between patient race and hospital mortality rates. The dataset is suitable for use with minimal attention needed in specific scenarios.