

Bias Detection Report

Bias Detection Report for MIMIC-IV Dataset

The analysis of the dataset 'MIMIC-IV_cleaned.csv' focused on examining the correlation between 'patient_gender' and other features to identify potential bias.

Results Summary:

1. Bias Type: Correlation

2. Relevant Features and Bias Levels:

- 'patient_gender' and 'admission_type': Level 2 (Low bias)
- 'patient_gender' and 'admission_location': Level 2 (Low bias)
- 'patient_gender' and 'discharge_location': Level 1 (No bias)
- 'patient_gender' and 'patient_insurance': Level 1 (No bias)
- 'patient_gender' and 'patient_lang': Level 1 (No bias)
- 'patient_gender' and 'patient_marital': Level 2 (Low bias)
- 'patient_gender' and 'patient_race': Level 2 (Low bias)

3. Overall Bias Level: Level 2 (Low bias)

4. Additional Explanation: The analysis shows that gender has a low correlation with certain features, suggesting that while there is some association, it is not strong enough to indicate a significant bias in treatment plans based on gender. Other features show no significant correlation with gender, indicating no bias.