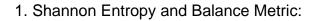
Bias Detection Report

Distribution Bias Analysis Report for LegalStatus Feature

The analysis focused on assessing the distribution bias of the LegalStatus feature in the COMPAS dataset.



- Balance: 0.462

- Shannon Entropy: 1.297

- Bias Level: Level 5 (Extreme Bias)

2. Gini Index:

- Corrected Gini Index: 0.523

- Adjusted Gini Index: 0.610

- Bias Level: Level 4 (Significant Bias)

3. Max/Min Ratio:

- Ratio: 3131.5

- Bias Level: Level 5 (Extreme Bias)

4. Chi-Square Test:

- Chi-Square Statistic: 142493.57

- Critical Value: 12.59

- Significant Deviation: True
- Indicates significant distribution bias.

Overall, the LegalStatus feature displays extreme bias in its distribution, as confirmed by multiple analytical methods.