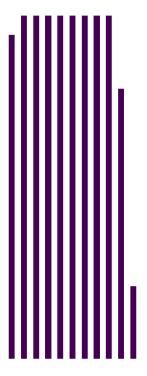
Bias Detection Report

Bias Detection Report: Patient Race and Hospital Mortality Rates
This report investigates the potential correlation bias between patient race and hospital mortality rates using the MIMIC-IV dataset.
1. Chi-Square Test:
- Chi-Square Statistic: 49.92
- p-value: 0.0066
- Interpretation: Suggests a significant association between patient race and hospital mortality rates indicating potential bias.
2. HSIC Analysis:
- HSIC Value: 2.56e-11
- Interpretation: Indicates little to no correlation bias between patient race and hospital mortality rates.
3. P-rule Score Analysis:
- p-rule Score: 0.0

- Interpretation: Indicates significant disparity and potential bias between racial groups based on the 80% rule.



Summary:

The analysis presents mixed results. While the Chi-Square test and p-rule score suggest some level of bias, the HSIC value does not. It is recommended to consider additional methods or contextual

factors when interpreting these	e findings. Th	ne visualizations	provide a	clear	representation	of the
relationships between the varial	oles.					