Bias Detection Report

Bias Detection Report for ForeignWorkers and CreditHistory in Statlog Dataset

1. Chi-Square Test Results:

   - Chi-Square Statistic: 4.913

   - p-value: 0.296

   - Degrees of Freedom: 4

   - Conclusion: No significant correlation.

2. Cramér's V Analysis:

   - Cramér's V: 0.070

   - Conclusion: Very weak association.

3. Elift Analysis:

   - Max Elift: 1.351

   - Conclusion: Weak correlation.

4. Statistical Parity and Lipschitz Analysis:

   - Max Z-value (Statistical Parity): 0.311

   - Max Delta (Lipschitz): 0.311

   - Conclusion: Weak correlation.

Overall Bias Level: Level 2 (Minimal Bias)

- Based on the consistent results from multiple methods, the analysis indicates a minimal bias level. The dataset shows no significant bias between ForeignWorkers and CreditHistory. It is suitable for use with minor attention needed in specific scenarios.