Bias Detection Report

Bias Detection Report for 'Statlog.csv'

1. Bias Type: Distribution and Correlation

2. Relevant Feature(s): Property, Credit risk (Good/Bad)

3. Bias Level: Distribution Bias Level: Level 1 (No significant distribution bias), Correlation Bias Level: Level 2 (Low correlation bias)

4. Explanation of Findings: The 'Property' feature has a normalized entropy of approximately 0.97, indicating a well-balanced distribution with no significant bias. The correlation between 'Property' and 'Credit risk (Good/Bad)' is low, with a Cramér's V value of approximately 0.154, suggesting a weak association and a low level of bias.

5. Overall Bias Level: Level 1, indicating no significant bias related to the type of property someone owns in the dataset.