Bias Detection Report

Bias Detection Report for 'Telephone' Feature in 'Statlog_cleaned.csv'

1. Bias Type: Distribution and Correlation

2. Relevant Features: 'Telephone', 'Credit risk (Good/Bad)'

3. Bias Level: Distribution Bias Level: Level 1, Correlation Bias Level: Level 1

4. Additional Explanation: The distribution of the 'Telephone' feature is well-balanced with a Shannon balance metric of approximately 0.973, indicating no significant distribution bias. The correlation between the 'Telephone' feature and the 'Credit risk (Good/Bad)' feature is very weak, with a Cramér's V value of approximately 0.034, indicating no significant correlation bias.

5. Overall Bias Level: Level 1 (No significant bias detected)