

# Bias Detection Report

Bias Detection Report for 'Personal status and sex' Feature in Statlog Dataset

1. Bias Type: Distribution and Correlation

2. Relevant Features: 'Personal status and sex', 'Credit risk (Good/Bad)'

3. Bias Level:

- Distribution Bias Level: Level 3 (Moderate Bias)

- Correlation Bias Level: Level 1 (No Bias)

4. Additional Explanation:

- The distribution analysis of the 'Personal status and sex' feature shows a moderate level of bias, suggesting that the categories within this feature are not evenly distributed. This could potentially impact analyses or decisions based on this feature.

- The correlation analysis reveals no significant association between 'Personal status and sex' and 'Credit risk (Good/Bad)', suggesting that the 'Personal status and sex' feature does not have a strong influence on the credit risk classification in this dataset.

5. Overall Bias Level: Level 3, indicating a moderate level of bias primarily due to the distribution of the 'Personal status and sex' feature.