Bias Detection Report

Title: Bias Detection Report

Introduction:

This report presents the results of a bias detection analysis on the Statlog dataset. The analysis focused on detecting correlation bias between the 'Property' and 'Credit risk (Good/Bad)' features.

Methods:

The analysis used the Chi-square test to detect correlation bias between the 'Property' and 'Credit risk (Good/Bad)' features.

Results:

The results of the Chi-square test show a statistically significant correlation between the 'Property' and 'Credit risk (Good/Bad)' features. The p-value is less than 0.05, which indicates that the null hypothesis of independence can be rejected.

Discussion:

The results suggest that there is a strong bias between the 'Property' and 'Credit risk (Good/Bad)' features. This bias may impact the accuracy of models trained on this dataset.

Conclusion:

The dataset shows a significant correlation bias between the 'Property' and 'Credit risk (Good/Bad)' features. This bias should be considered when using this dataset for modeling or analysis.

Additional Explanation:

The bias between the 'Property' and 'Credit risk (Good/Bad)' features may be due to various factors,

such as differences in credit risk assessment or lending practices. Further analysis is needed to understand the underlying causes of this bias.