Bias Detection Report

Property Bias Detection Report

This report analyzes the distribution bias related to the type of property owned in the dataset provided.

Dataset Information

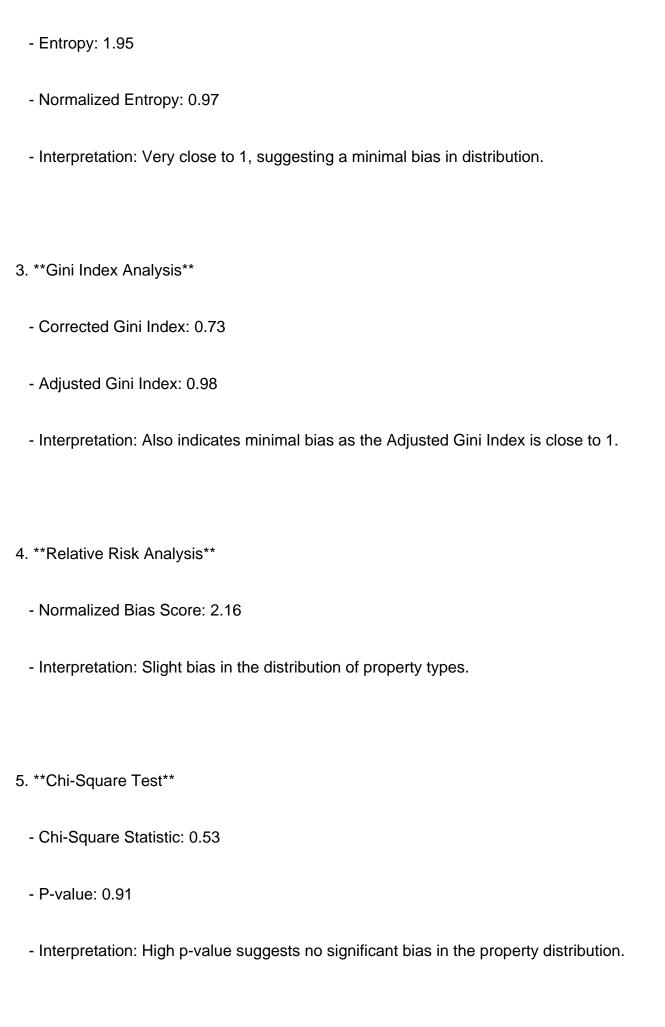
- **File Path**: source_files/Statlog.csv
- **Relevant Feature**: Property

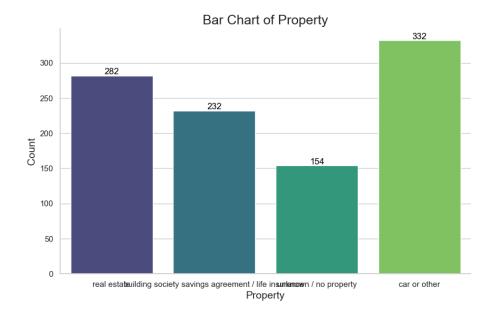
Bias Type

- **Type**: Distribution

Methods and Findings

- 1. **Max/Min Ratio Analysis**
 - Result: 2.16
- Interpretation: Indicates minimal bias. Bias level can be considered low as the ratio is slightly above 2.
- 2. **Shannon Entropy Analysis**





Conclusion

The analysis indicates that the distribution of property types in the dataset shows a minimal level of bias. The metrics used, including Shannon Entropy, Gini Index, and the Chi-Square test, all support this conclusion. The dataset is suitable for use with minimal attention to specific scenarios where property type may play a critical role.