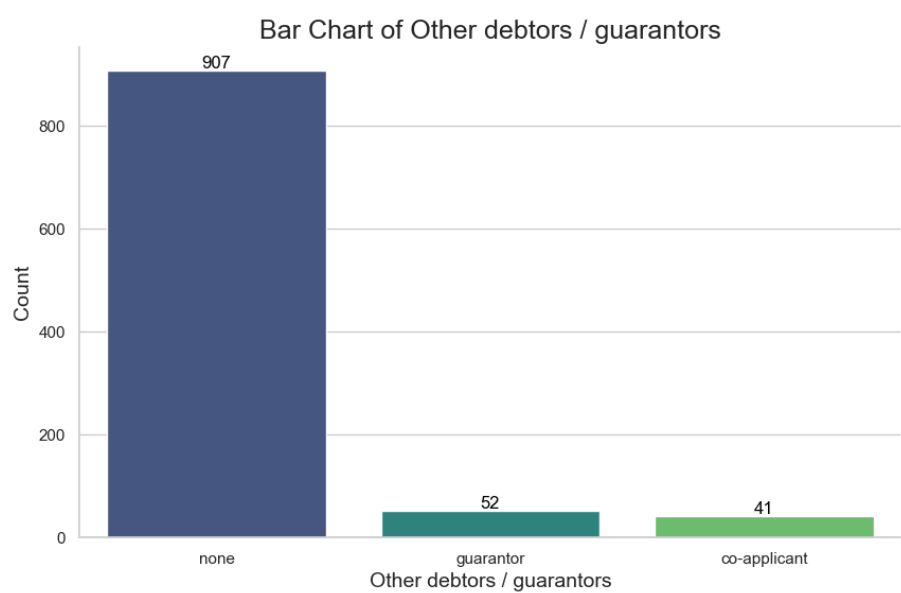# Bias Detection Report

Bias Type: Distribution

Relevant Feature: Other debtors / guarantors

Bias Level: Extreme Bias

Explanation: The analysis using Shannon entropy revealed a normalized entropy of 0.3397, indicating a significant over-representation or under-representation of certain categories within this feature. This suggests a very severe bias in the distribution of 'Other debtors / guarantors'.

Detailed Explanation: The normalized entropy value is below the threshold of 0.45, categorizing it as Level 5 bias. This level of bias indicates that the distribution of categories within the 'Other debtors / guarantors' feature is highly imbalanced, with certain categories being over-represented or under-represented. The bar chart visualization further supports this finding by showing the distribution of categories, highlighting any significant imbalances.

Recommendations: Given the extreme bias detected, it is advisable to carefully consider the

implications of this bias on any analysis or decision-making processes that involve this feature.

Adjustments or further investigation may be necessary to mitigate the effects of this bias.