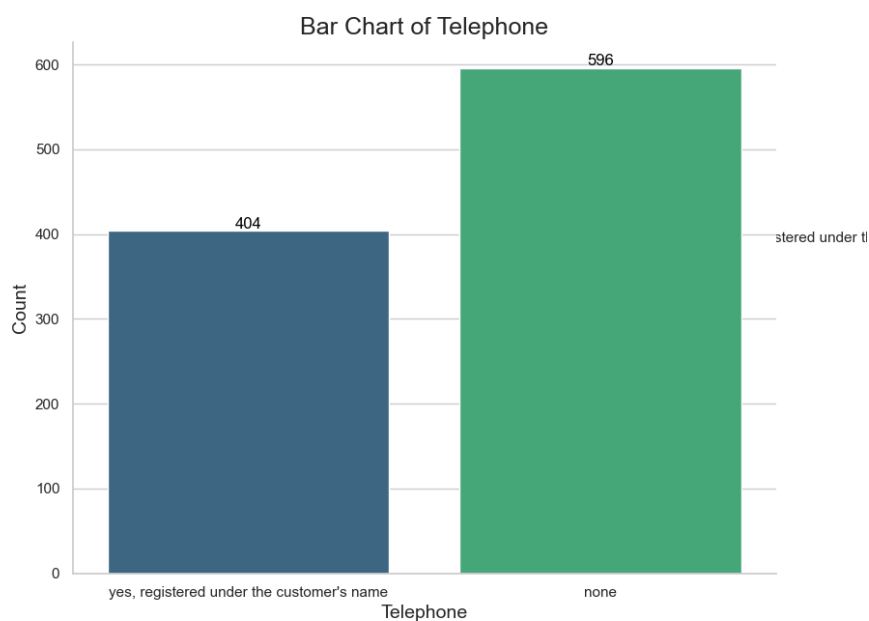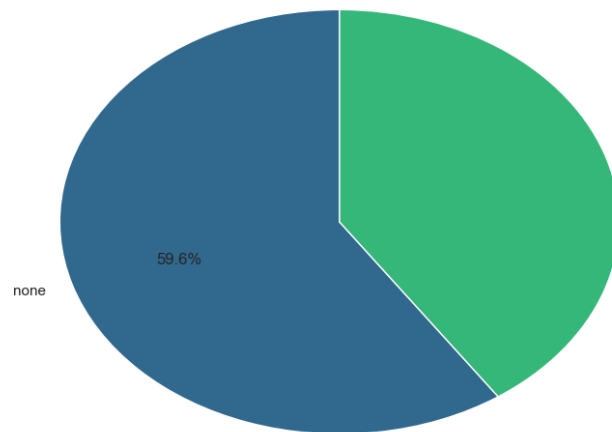# Bias Detection Report

Bias Detection Report for 'Telephone' Feature

1. Bias Type: Distribution

2. Relevant Feature(s): Telephone

3. Bias Level: Overall Level 3 (Moderate Bias)

4. Findings Summary: The analysis indicates a moderate level of bias in the 'Telephone' feature. The Gini Index suggests minimal bias, while the Chi-Square test highlights a significant deviation from a uniform distribution, indicating the presence of bias.

5. Gini Index Method: Adjusted Gini Index is 0.9623, corresponding to a Level 2 bias, indicating minimal bias.

6. Chi-Square Test: The Chi-Square statistic is 36.864 with a p-value of approximately 1.27e-9, suggesting a significant deviation.

Bar Chart of Telephone

The bar chart and pie chart provide visual representation of the distribution of the 'Telephone' feature.

Additional Explanation: The Gini Index result suggests a nearly uniform distribution for the 'Telephone' feature, meaning minimal bias. However, the Chi-Square test highlights a significant difference from a uniform distribution, indicating the presence of bias.