Bias Detection Report

Based on the analysis, the bias type is Correlation, and the relevant feature is 'Housing'. The bias level is Level 3, indicating a moderate level of bias.

The results from the tools used indicate that there is a moderate level of correlation between the 'Housing' column and the 'Duration in month' feature, and a moderate level of bias in the distribution of the 'Housing' column.

Here is a detailed explanation of the findings:

* The correlation analysis revealed a moderate level of correlation between the 'Housing' column and the 'Duration in month' feature, with a maximum absolute N value of 0.5435013151413272.

* The distribution analysis showed a moderate level of bias in the 'Housing' column, with a balance metric of 0.7186364130415636 and a Shannon entropy of 1.1390117663236383.

Overall, the results suggest that there is a notable relationship between housing and the numerical features, particularly 'Duration in month'. The distribution of the 'Housing' column also exhibits some level of bias.