

Bias Detection Report

Based on the results from the `numerical_distribution_skewness` tool, the skewness of the "Installment rate in percentage of disposable income" column is -0.5313481143125486, which indicates a moderate level of skewness. This suggests that the distribution of installment rates is not perfectly symmetrical, with a slightly longer tail on the left side.

Image not found: `generated_files/box_plot.png`

The results from the `categorical_distribution_shannon_balance` tool show that the balance of the "Credit risk (Good/Bad)" column is 0.8812908992306927, and the Shannon entropy is also 0.8812908992306927. This indicates that the distribution of credit risk is relatively balanced, with a moderate level of uncertainty.

The Pearson correlation coefficient between the "Duration in month" and "Installment rate in percentage of disposable income" columns is 0.07474881629117032, which indicates a weak positive correlation between the two columns.

The box plot of the "Installment rate in percentage of disposable income" column shows that the distribution is slightly skewed to the left, with a median value of 2.0 and a range of 0.5 to 4.0.

The bias type is Distribution, and the relevant feature is "Installment rate in percentage of disposable income". The bias level is Level 3, indicating a moderate level of bias.