Bias Detection Report

The distribution of insurance types in the dataset exhibits a moderate level of bias, which corresponds to Level 3. The results from the categorical_distribution_shannon_balance tool indicate that the Balance metric is 0.796773526804214, and the Shannon entropy is 1.2628561615520222. The max/min ratio calculated using the categorical_distribution_max_min_ratio tool is 8.092105263157896. These values suggest that while there is some uncertainty or information content in the categorical distribution, the distribution is not perfectly balanced, with some categories being more represented than others. The max/min ratio indicates a significant difference in the representation of different insurance types.