

Bias Detection Report

Bias Detection Report for Age Distribution

This report analyzes the distribution of the 'age' feature in the provided dataset to identify any potential bias or imbalance.

1. **Max/Min Ratio:**

- Result: Extreme Bias (Level 5)
- Max/Min Ratio: 1703
- Interpretation: Certain age groups dominate the distribution significantly.

2. **Shannon Entropy:**

- Result: Potential Bias
- Entropy: 3.67 (Maximum Entropy: 4.08)
- Interpretation: The distribution may not be uniform, indicating potential bias.

3. **Skewness:**

- Result: 0.56

- Interpretation: Slight positive skew, suggesting more younger individuals in the dataset.

4. **Kurtosis:**

- Result: -0.17
- Interpretation: Flatter distribution, suggesting a wider spread of ages.

5. **Gini Coefficient:**

- Result: 0.20
- Interpretation: Low bias, indicating a relatively even distribution of ages.

6. **Visualization:**

- A histogram has been created to visually assess the distribution of ages.

Overall, the analysis indicates a mix of potential biases, with significant bias observed in specific metrics, while others suggest a more balanced distribution.

Bar Chart of age

