Bias Detection Report

Dataset Analyzed:

- **File**: source_files/Adult.csv

- **Feature Examined**: hours-per-week

Bias Type:

- **Distribution**

Analysis Summary:

The analysis focuses on the 'hours-per-week' feature to evaluate its distribution and identify any biases.

Tools Used and Values Obtained:

- **Numerical Distribution Skewness**: 0.228

- **Numerical Distribution Kurtosis**: 2.917

- **Numerical Distribution Outlier Percentage**: 1.35%

- **Numerical Distribution Cohen's d (MAD)**: 0.146

- **Numerical Distribution Quantile Deviation**: 1.0

Interpretation of Bias Severity:

- The feature shows significant bias due to outlier percentage and quantile deviation, despite skewness and kurtosis indicating a normal distribution.

Recommendations:

- Exercise caution when using this dataset for analysis involving weekly work hours, as the significant bias could affect result accuracy.

Bar Chart of hours-per-week