Bias Detection Report

Analysis of Bias between Birth Dates and Decile Scores in COMPAS Dataset.

Features Analyzed: DateOfBirth (converted to Age), DecileScore.

The bias type investigated was correlation between derived age categories and decile scores.

Based on the Hilbert-Schmidt Independence Criterion (HSIC) analysis, the HSIC value was calculated to be 3.3933888322860242e-12, indicating no significant correlation bias.

Bias Level is categorized as Level 1 (No Bias).

Box Plot of DecileScore grouped by DateOfBirth