Bias Detection Report

Bias Detection Report: Education and Race Correlation

Introduction

This report explores the correlation between the 'education' and 'race' features in the provided

dataset. Various methods were applied to detect potential bias and analyze the relationship between

these two categorical features.

Data Overview

The dataset consists of multiple features, with 'education' and 'race' being the focus of this analysis.

The dataset was processed to ensure these features were adequately prepared for correlation

analysis.

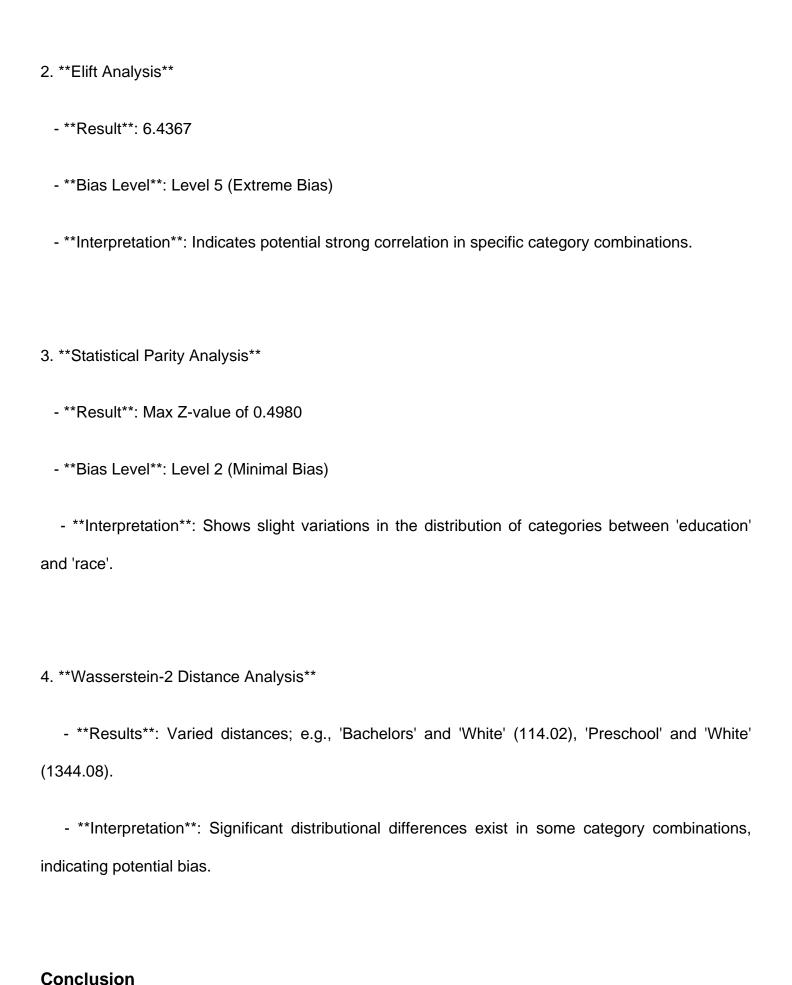
Methodology and Results

1. **Cramér's V Analysis**

- **Result**: 0.0749

- **Bias Level**: Level 1 (No Bias)

- **Interpretation**: Suggests no significant association between 'education' and 'race'.



The analysis presents mixed findings. While Cramér's V and Statistical Parity suggest little to no bias, Elift and Wasserstein-2 highlight areas of potential concern. The results underscore the importance of context when interpreting bias, suggesting further investigation into specific category combinations.