1980 Wage Disparity Analysis Specifications

Organization:

A public policy research nonprofit focused on economic equity.

Situation:

Your nonprofit's Economic Research and Equity Division has launched a historical wage study to understand long-term trends in racial wage gaps. The goal is to identify patterns from past decades to inform current policy recommendations. The team reached out to you, a Data Analyst, to conduct a detailed statistical analysis using a dataset from 1980 that contains demographic and wage data for a sample of male workers.

Objective:

1. Assess whether wage disparities existed between black and non-black men in 1980.

2. Use statistical methods, including hypothesis testing (two-sample T-tests), to validate findings.

3. Provide actionable insights that could be leveraged in public discussions and reports on racial wage equality.

Deliverables: (A comprehensive data analysis report containing):

- A summary of the dataset.

- Key statistical findings, including mean, standard deviation, and wage comparisons.

- Results from predictive or inferential statistics (e.g., T-tests).

- Visualizations to highlight disparities.

- Recommendations for policymakers based on the insights.