Bias Detection Report

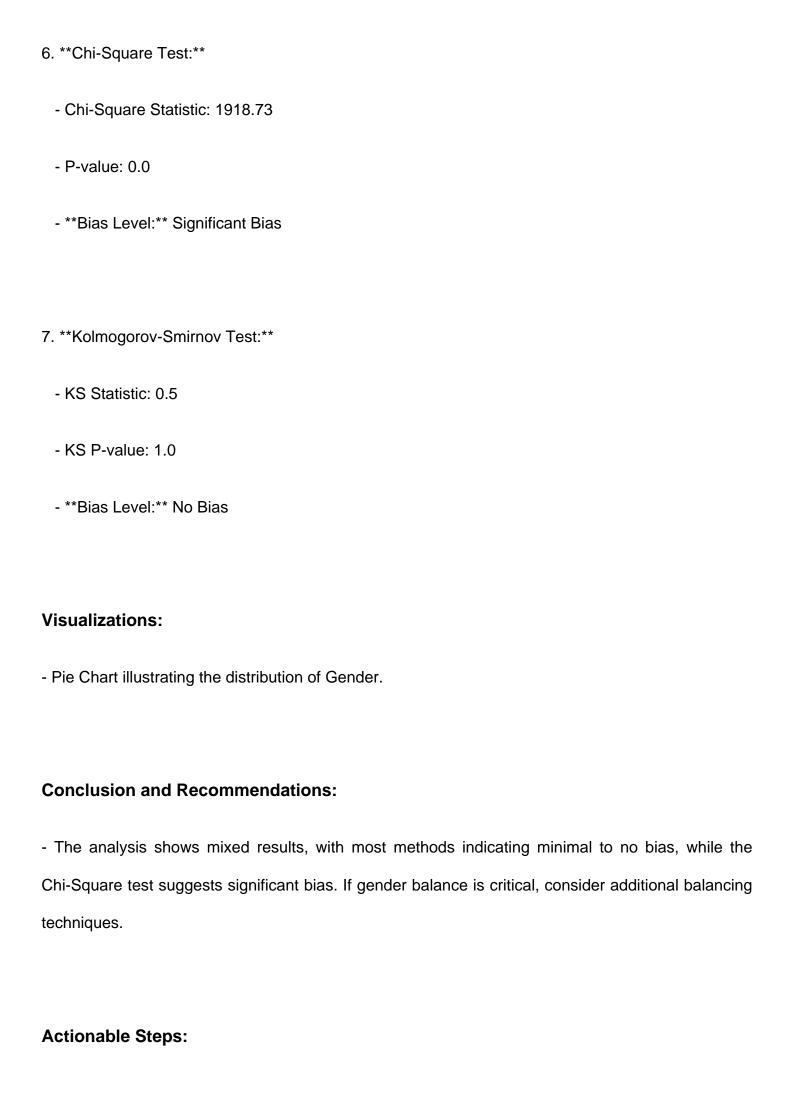
Gender Distribution Bias Analysis Report

Dataset Analyzed:
- **File:** Adult.csv
- **Feature:** Gender (Column: ' sex')
Bias Type:
- Distribution
Relevant Feature(s):
- ' sex' (Gender)
Detection Methods and Results:
1. **Shannon Balance:**
- Balance: 0.9157

- Shannon Entropy: 0.9157

2. **Max/Min Ratio:**
- Ratio: 2.023
- **Bias Level:** Minimal Bias
3. **Entropy:**
- Normalized Entropy: 0.9157
- **Bias Level:** Minimal Bias
4. **Gini Index:**
- Adjusted Gini Index: 0.8855
- Adjusted Gini Index: 0.8855 - **Bias Level:** Minimal Bias
- **Bias Level:** Minimal Bias
- **Bias Level:** Minimal Bias 5. **Relative Risk:**

- **Bias Level:** Minimal Bias



- Further investigate the discrepancy between methods, particularly the sensitivity of the Chi-Square test to large sample sizes.

Pie Chart of sex

