

# Responsible AI Audit Report

## 1. Dataset Assessment

Dataset Quality Score: 90/100

Verdict: PASS

Risk Level: Low Risk

Conclusion:

Dataset is suitable for ML usage.

Recommended Actions:

- Handle outliers using capping/removal/transformations.

## 2. Model Performance Assessment

Performance Verdict:

Regression model performance is strong.

Reason:

Errors are within acceptable range.

Action:

Model can be deployed with monitoring.

Key Model Metrics:

- MAE: 7.085
- RMSE: 8.685

## 3. Fairness & Bias Assessment

Fairness Verdict:

Fairness evaluation not available.

Reason:

Statistical parity results missing.

Action:

Fairness check requires binary predictions and multiple groups.

### **Bias Summary (Sensitive Attribute vs Target)**

- Bias summary could not be generated (bias table missing).

## **4. Final Audit Decision**

Audit Result: AUDIT PASSED

Final Recommendation:

Regression model seems deployable with monitoring.