# Data Quality Analysis Report

**Sections to Include:**

1. **Data Overview:**
   * Data Source and Import Details
   * Initial Data Observations
2. **Data Quality Issues:**
   * Missing Values
     + Analysis
     + Handling Approach
   * Inconsistent Data Formats
     + Examples and Resolution
   * Outliers and Noise
     + Detection and Treatment
3. **Data Validation:**
   * Range and Constraint Checks
   * Accuracy and Reliability Assessment
4. **Cleaning Processes:**
   * Steps Taken
   * Tools Used
5. **Final Data Quality Assessment:**
   * Summary of Improvements
   * Residual Issues and Limitations

**Checklist for Data Quality Analysis:**

* Import data and observe initial quality.
* Identify missing values and plan handling.
* Check for and resolve format inconsistencies.
* Detect and handle outliers and noise.
* Conduct data validation checks.
* Document data cleaning processes.
* Provide final data quality assessment.