**Data Quality Report**

**Project Name :** Amazon Instrument Analysis

This Data Quality Report summarizes potential issues in the Amazon Instrument Reviews dataset and provides resolution strategies.

Data Quality Issues :

| **Data Source** | **Data Quality Issue** | **Severity** | **Resolution Plan** |
| --- | --- | --- | --- |
| Amazon Instrument Review(CSV) | Missing Reviewer names, reviews | Low | Fill the missing data with “ “. |
| Amazon Instrument Review(CSV) | Imbalanced Classes | Moderate | Apply SMOTE or class weights |
| Amazon Instrument Review(CSV) | Text field contain noises(URL,punctuations,numbers) | High | Apply text cleaning, regex, tokenization |
| Amazon Instrument Review(CSV) | Different review lengths | Low | Normalize by truncating/padding text |
| Amazon Instrument Review(CSV) | Neutral reviews are underrepresented | Moderate | Use synthetic augmentation or rebalancing |