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