

Data Collection and Preprocessing Phase

Date	9 th July 2024
Team ID	SWTID1720111029
Project Title	Unveiling Climate Change Dynamics through Earth Surface Temperature Analysis
Maximum Marks	2 Marks

Data Quality Report Template

The Data Quality Report Template will summarize data quality issues from the selected source, including severity levels and resolution plans. It will aid in systematically identifying and rectifying data discrepancies.

Data Source	Data Quality Issue	Severity	Resolution Plan
https://data.world/data-society/global-climate-change-data	The dataset has so many missing values which leads to incorrect prediction and bias in the model.	Moderate	We dropped few rows that contained null values and for few null values we replace it with mean of that column.
https://data.world/data-society/global-climate-change-data	The values were in different range which will lead to poor performance	High	We had used minmax scaling technique to scale down all the values in the same range which improves performance and training stability of the model.