Data Collection and Preprocessing Phase

Date	9 July 2024
Team ID	739880
Project Title	Leveraging Machine Learning For GDP Per Capita Prediction
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
Dataset	Missing Values	High	Impute missing values using mean or median for numerical features. For categorical features, use mode.
Dataset	Outliers	Moderate	Use statistical methods like Z-score or IQR to detect and handle outliers, either by removing or transforming them.
Dataset	Duplicate Records	Low	Remove duplicate records from the dataset to ensure each instance is unique

Dataset	Data Currency	High	Ensure the dataset is up-to-date by verifying the date range and considering additional data collection if necessary.
Dataset	Inconsistent Records	Moderate	Standardize date formats and numerical representations across columns using data preprocessing techniques.