

## Data Collection and Preprocessing Phase

Date	09 JULY 2024
Team ID	SWTID1720111029
Project Title	Unveiling Climate Change Dynamics through Earth Surface Temperature Analysis
Maximum Marks	2 Marks

### Data Collection Plan & Raw Data Sources Identification Template

Elevate your data strategy with the Data Collection plan and the Raw Data Sources report, ensuring meticulous data curation and integrity for informed decision-making in every analysis and decision-making endeavor.

### Data Collection Plan Template

Section	Description
Project Overview	This project aims to analyze long-term temperature data to identify trends, patterns, and anomalies, providing insights into global climate change dynamics. By examining historical temperature records, researchers will uncover fluctuations, rising or falling trends, and significant anomalies.
Data Collection Plan	Kraggle Dataset
Raw Data Sources Identified	<a href="https://berkeleyearth.org/data/">https://berkeleyearth.org/data/</a>

	Berkeley Earth provides high-resolution land and ocean time series data and gridded temperature data. Global datasets begin in 1850, with some land-only areas reported back to 1750.
--	---

### Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Data.World	The dataset includes monthly measurements of land and ocean temperatures, along with uncertainties, spanning from 150 to 2015.	<a href="https://data.world/data-society/global-climate-change-data">https://data.world/data-society/global-climate-change-data</a>	CSV	202 KB	Public