

## Data Collection Plan & Raw Data Sources Identification Report

Date	15 April 2024
Team ID	Team-738164
Project Title	Rainfall Prediction Using Machine Learning
Maximum Marks	2 Marks

### Data Collection Plan:

Section	Description
Project Overview	The 'Rainfall Prediction using Machine Learning Model' aims to create a model that predicts whether it will rain the next day in Australia based on historical weather data sourced from the 'Australian Bureau of Meteorology' and the Kaggle dataset. The dataset contains 23 columns, including weather metrics like temperature, rainfall, wind speed, humidity and pressure. The project's goal is to develop a next-day rain prediction model that can be used in weather apps for public benefit.
Data Collection Plan	It is important to prioritize the dataset with diverse demographic information. Dataset that covers a wide range of geographic locations, rainfall data and various weather conditions.
Raw Data Sources Identified	The original source of the data is the Australian Bureau of Meteorology's Daily Weather Observations. <a href="http://www.bom.gov.au/climate/dwo/">(http://www.bom.gov.au/climate/dwo/)</a>

### Raw Data Sources:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	This dataset contains about 10 years of daily weather observations from numerous Australian weather stations.	<a href="https://www.kaggle.com/datasets/jshyq/weather-dataset-rattle-package?select=weatherAUS.csv">https://www.kaggle.com/datasets/jshyq/weather-dataset-rattle-package?select=weatherAUS.csv</a>	CSV	14.09 MB	Public