

Project Overview	Create a machine learning model to predict rainfall by analyzing historical weather data. The project involves data collection, preprocessing, feature engineering, and model training to improve prediction accuracy.
Data Collection Plan	Collect historical weather data from reliable sources, including rainfall, temperature, humidity, and pressure. Use Kaggle datasets, supplement with regional data, and ensure comprehensive coverage for accurate predictions.

Raw Data Sources Identified	Utilize Kaggle datasets, NOAA archives, local meteorological stations, and satellite data for comprehensive historical weather information, including rainfall, temperature, humidity, and pressure, ensuring diverse and accurate inputs.
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### Data Collection and Preprocessing Phase

Date	20 June 2024
Team ID	739712
Project Title	Rain fall prediction using ml
Maximum Marks	2 Marks

#### Data Collection Plan & Raw Data Sources Identification Report:

**Data Collection Plan:** Gather historical weather data from reliable sources, including rainfall, temperature, humidity, and pressure. Use Kaggle datasets, augment with external sources, and ensure comprehensive temporal and geographical coverage.

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	marital status, income, and loan-related details for machine learning analysis.
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### Raw Data Sources Report:

Source Name	Description	Location/URL
Kaggle Dataset	The dataset comprises applicant details (gender, marital status), financial metrics (income, loan amount), and loan approval outcomes.	<a href="https://docs.google.com/spreadsheets/d/1RA2OO0LZTeQykl_mvnensAjp6LM4YzWI1Tz0SUG5Ao/edit#gid=121883362">https://docs.google.com/spreadsheets/d/1RA2OO0LZTeQykl_mvnensAjp6LM4YzWI1Tz0SUG5Ao/edit#gid=121883362</a>