

Data Collection and Preprocessing Phase

Date	15 March 2024
Team ID	740139
Project Title	Acoustic Fire Extinguishing Prediction
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	The project aims to predict the effectiveness of acoustic waves in extinguishing fires based on various environmental and fire-related parameters.
Data Collection Plan	Search for datasets related to fire incidents, acoustic wave experiments, and environmental conditions. - Prioritize datasets with comprehensive details on fire characteristics and acoustic parameters.
Raw Data Sources Identified	The raw data sources for this project include datasets from fire safety research institutions and industrial experiments. The provided sample data represents a subset of the collected information, encompassing variables such as fire type, temperature, intensity, humidity, acoustic frequency, duration, and success rate.

Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	Dataset on various analysing techniques characteristics and experiments on fire extinguishing	https://www.kaggle.com/code/jevasrisenthil/flame-extinction-status-prediction/input	CSV	110kb	public