

Data Collection and Preprocessing Phase

Date	19 March 2024
Team ID	SWTID1720240510
Project Title	Covid vision: Advanced Covid-19 Detection From Lung X-Rays With Deep Learning
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	Design and optimize a convolutional neural network (CNN) architecture using TensorFlow to classify chest X-ray images into three categories: COVID-19 positive, viral pneumonia (non-COVID), and normal cases.
Data Collection Plan	search for datasets related to chest X-rays for detection of COVID-19

Raw Data Sources Identified	The raw data set for this project is obtained and downloaded from Kaggle ,the popular website for collecting dataset .the following dataset containing large no of photos of COVID_19 chest x-rays ,lung opacity, viral pneumonia, normal for analysis
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Raw Data Sources Template



Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle dataset	The dataset contain Chest x-rays of lung opacity ,viral pneumonia, COVID-19,normal	https://www.kaggle.com/code/rollanmaratov/covid19-detection-usingtensorflow-fromchest-xray/data	zip	777 MB	Public