

## Data Collection and Preprocessing Phase

Date	12 July 2024
Team ID	SWTID1720420728
Project Title	Dog Breed Identification Using Transfer 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	The machine learning project aims to identify dog breeds using transfer learning. Objectives include leveraging pre-trained models, addressing data challenges, and achieving accurate breed classification for diverse images.
Data Collection Plan	We have collected data from Kaggle's Dog Breed Identification it have a large collection of dog images categorized into different breeds.
Raw Data Sources Identified	Raw data sources include Kaggle's Dog Breed Identification Challenge, providing benchmark images; online repositories like Unsplash, Flickr, and Pixabay for diverse breed representations; breed-specific websites for quality images; and crowdsourced platforms like Dog CEO's Dog API for collaborative data collection.

### Raw Data Sources Template

Source Name	Description	Location/URL	Format	Size	Access Permissions
Train Dataset	The training data for the Kaggle Dog Breed Identification competition consists of labeled images of dogs belonging to various breeds, serving as the primary dataset for model training.	<a href="https://www.kaggle.com/competitions/dog-breed-identification/data?select=train">https://www.kaggle.com/competitions/dog-breed-identification/data?select=train</a>	ZIP (images)	10.2k	Public

Test Dataset	The test data for the Kaggle Dog Breed Identification competition comprises unlabeled images of dogs, used for evaluating the trained models' performance and generating predictions for breed identification.	<a href="https://www.kaggle.com/competitions/dog-breed-identification/data?select=train">https://www.kaggle.com/competitions/dog-breed-identification/data?select=train</a>	ZIP (images)	10.4k	Public
Labels	The labels data for the Kaggle Dog Breed Identification competition provides breed annotations for the training images.	<a href="https://www.kaggle.com/competitions/dog-breed-identification/data?select=train">https://www.kaggle.com/competitions/dog-breed-identification/data?select=train</a>	CSV	482.06 KB	Public

Sample Submission	The sample submission data for the Kaggle Dog Breed Identification competition outlines the required format for result submissions.	<a href="https://www.kaggle.com/competitions/dog-breed-identification/data?select=train">https://www.kaggle.com/competitions/dog-breed-identification/data?select=train</a>	CSV	25.2 MB	Public
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