Dog Behavior Dataset

Introduction:

This dataset is focused on different behaviours exhibited by dogs. It is intended for researchers, data scientists, and dog behaviourists interested in analyzing and understanding the various types of behaviours demonstrated by dogs. The dataset only includes both unlabelled data.

Description：

The dataset consists of a sample of seven different groups of dog behaviours, divided into sleeping dogs, smiling dogs, barking dogs, belly-baring dogs, sitting dogs, eager dogs, and body-shaking dogs. Each group consists of 70 images. Each sample group revolves around the same behaviour of the dog and includes:

- Both the different dog breeds.
- The context in which the behaviour is displayed.

The dataset only consists of unlabelled data, meaning that there are no annotations or labels provided for the images. It can be used for a variety of tasks, such as image classification, object detection, or behavior recognition. It could also be used for training unsupervised or semi-supervised learning models. It is provided to the researcher for labelling as required. The file names are descriptive and reflect the behaviour shown in the image.

Download or clone the repository and access the images in the appropriate folders to use the dataset. The images are in JPEG format and can be opened and manipulated using any image processing software or programming library that supports JPEG images.

Sources from:

Most images are captured manually - Downloading pictures one by one.

Some are collect by web-scraping - PinDown

5 of the images in folder'*dog_shaking*' are from Pinterest: https://www.pinterest.com/

The remaining 485 images are from Istock: https://www.istockphoto.com/

Technical Details:

The dataset was created by collecting images of dogs exhibiting various behaviours. The images were manually sorted into seven folders, each representing a different behaviour. The images are in JPEG format, varying sizes from 8KB to 379KB. The images have different resolutions ranging from 230*219 to 1920*1080.

Samples:

Here are a few examples of the samples included in the dataset:

1. ID: Dog_shaking_049

   Group: dog_shakig

   Breed: Yorkshire Terrier

   Context: black platform

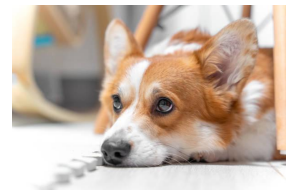   Behaviour: shaking body

2. ID: Dog_wondering_030

   Group: dog_shakig

   Breed: Welsh Corgi

   Context: On a sponge-cushioned floor, leaning against the corner of a table

   Behaviour: Lying on the ground eagerly watching (wondering)

Conclusion:

This dataset provides a valuable resource for researchers and dog behaviorists who are interested in understanding the various types of behaviors exhibited by dogs. The dataset includes a diverse range of behaviors and covers a variety of contexts. It is intended to be used for training and validating machine learning models, analyzing patterns in dog behavior, and developing new insights into the behavior of dogs.