

Analysis Data Folder:

Pet_images, as downloaded from <https://www.robots.ox.ac.uk/~vgg/data/pets/> and then processed with ImagePreprocess.ipynb

Unit of observation: Pet images

Data Structure

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|— pet_images/          # The data folder
|   |— Abyssinian/      # Folder containing all Abyssinian images
|   |— american_bulldog/ # Folder containing all American Bulldog images
|   |— american_pit_bull_terrier/ # Folder containing all American Pit Bull Terrier
images
|   |— basset_hound/    # Folder containing all Basset Hound images
|   |— beagle/          # Folder containing all Beagle images
|   |— Bengal/         # Folder containing all Bengal images
|   |— Birman/          # Folder containing all Birman images
|   |— Bombay/         # Folder containing all Bombay images
|   |— boxer/           # Folder containing all Boxer images
|   |— British_Shorthair/ # Folder containing all British Shorthair images
|   |— chihuahua/       # Folder containing all Chihuahua images
|   |— Egyptian_Mau/    # Folder containing all Egyptian Mau images
|   |— english_cocker_spaniel/ # Folder containing all English Cocker Spaniel
images
|   |— english_setter/   # Folder containing all English Setter images
|   |— german_shorthaired/ # Folder containing all German Shorthaired images
|   |— great_pyrenees/  # Folder containing all Great Pyrenees images
|   |— havanese/        # Folder containing all Havanese images
|   |— japanese_chin/   # Folder containing all Japanese Chin images
|   |— keeshond/        # Folder containing all Keeshond images
|   |— leonberger/      # Folder containing all Leonberger images
|   |— Maine_Coon/      # Folder containing all Maine Coon images
|   |— miniature_pinsch/ # Folder containing all Miniature Pinscher images
|   |— newfoundland/   # Folder containing all Newfoundland images
|   |— Persian/        # Folder containing all Persian images
|   |— pomeranian/     # Folder containing all Pomeranian images
|   |— pug/             # Folder containing all Pug images
|   |— Ragdoll/         # Folder containing all Ragdoll images
|   |— Russian_Blue/    # Folder containing all Russian Blue images
|   |— saint_bernard/   # Folder containing all Saint Bernard images
|   |— samoyed/         # Folder containing all Samoyed images
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		— scottish_terrier/	# Folder containing all Scottish Terrier images
		— shiba_inu/	# Folder containing all Shiba Inu images
		— Siamese/	# Folder containing all Siamese images
		— Sphynx/	# Folder containing all Sphynx images
		— staffordshire_bull_terrier/	# Folder containing all Staffordshire Bull Terrier
images			
		— wheaten_terrier/	# Folder containing all Wheaten Terrier images
		— yorkshire_terrier/	# Folder containing all Yorkshire images

Data Level	Definition and Quantity of Data Stored
pet_images folder	Folder containing 37 folders, one for each cat or dog breed in the dataset, total of 7391 images for nearly 200 images per breed
Individual breed folders	Folders containing all images of a given breed
Image files	.png files containing image data, with descriptive titles such as “Sphynx_49.png”

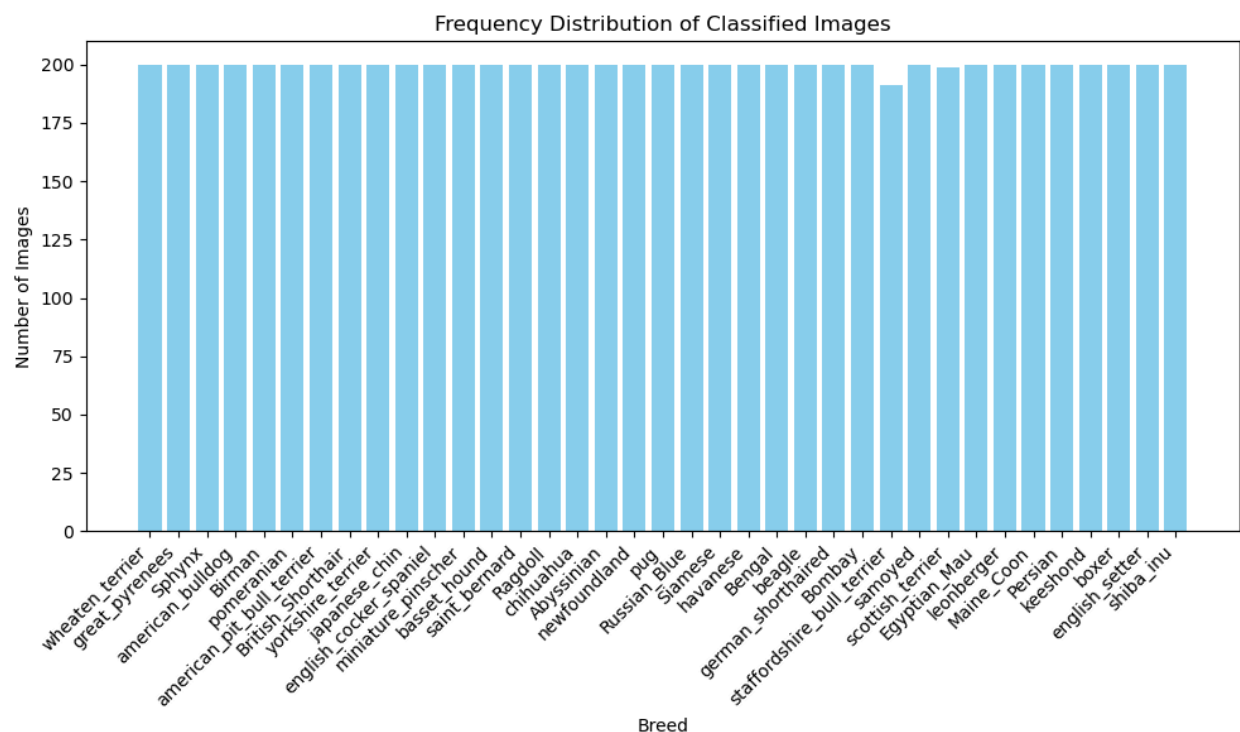


Figure 1: Frequency distribution showing number of images for each of the 37 breeds represented within the dataset