

Animal Breed Classification using Deep Learning

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Abstract: *Primates are very significant in various environment functions as well as in human evolution, cultures, and many religions in society. Out of more than 500 primate species over 60% of primate species are extinct because of various reasons such as hunting, habitat loss human activities, etc. It is our responsibility to safeguard the primate breeds once again introducing primates into their natural surroundings. In this paper, a deep Convolutional Neural Network was trained to classify various primate breeds and predict the breed of a particular test image. Animals breed dataset from the Kaggle data science community was used. The model was trained with different epochs, works with an accuracy on the training set and 0.7353 on the validation set with epochs 15. The trained model predicted the primate breeds accurately.*

Keywords: deep learning, animal classification, CNN, MobileNet, image processing, image classification

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