Dataset





























n02110627_13939.jpg













n02111129_2623.jpg

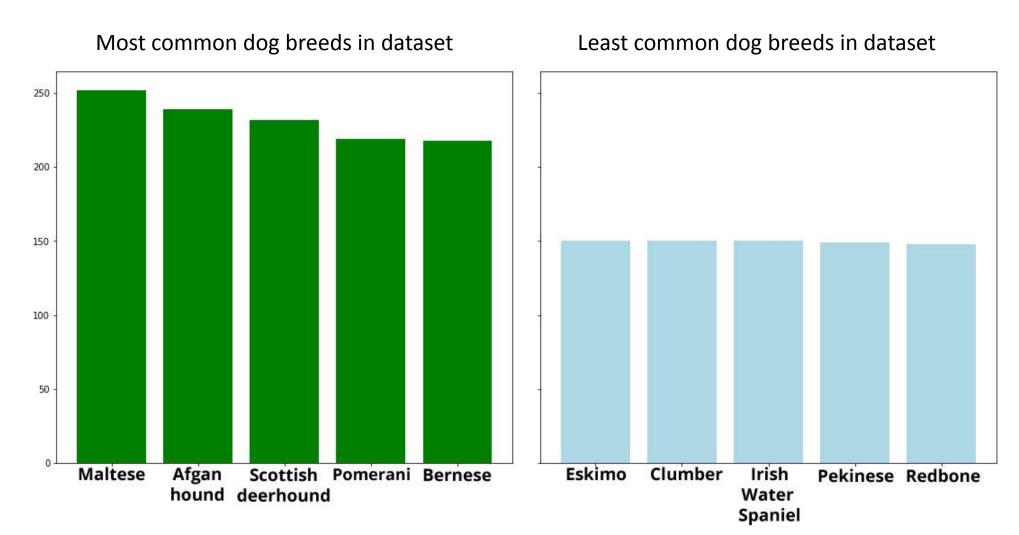
n02109047_8912.jpg

n02108000_2163.jpg



n02111129_3301.jpg

Data exploration



Data augmentation

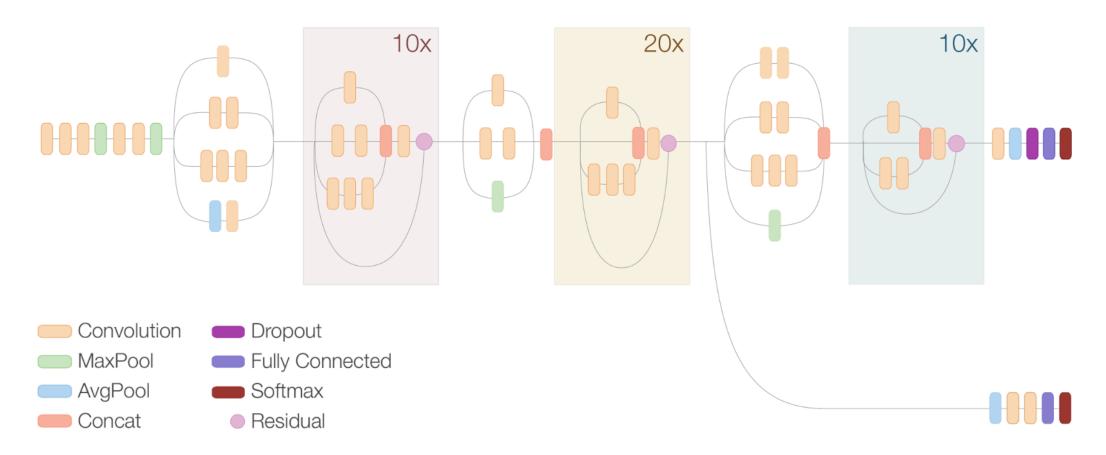






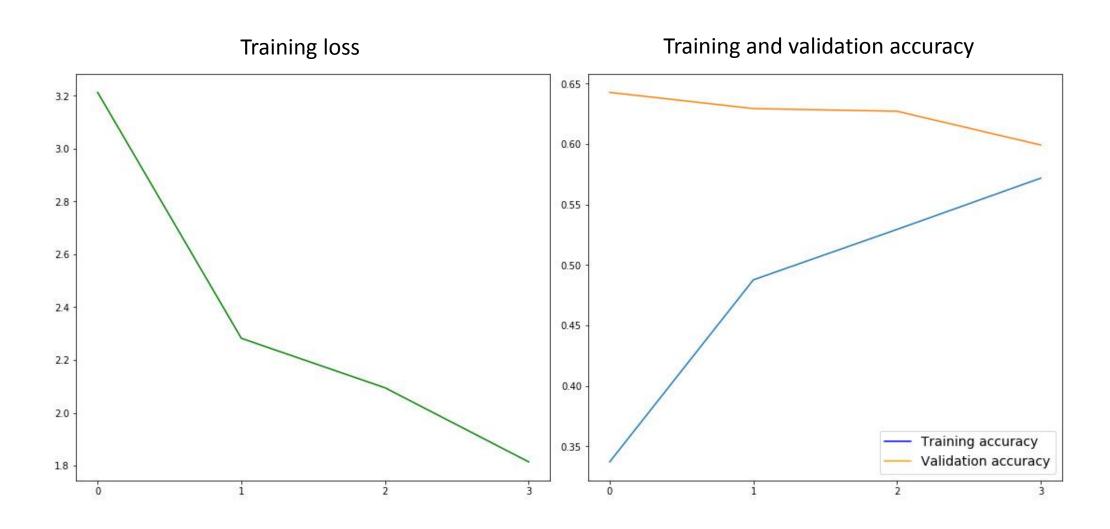


Inception Resnet V2 Network, compressed view



Source: Google Al Blog, https://ai.googleblog.com/2016/08/improving-inception-and-image.html

Model evaluation



Predicted: airedale Actual: irish terrier



Predicted: brittany_spaniel Actual: welsh_springer_spaniel



Predicted: bernese_mountain_dog Actual: appenzeller



Predicted: standard_schnauzer Actual: miniature_schnauzer



Predicted: standard_schnauzer Actual: irish_terrier



Predicted: doberman Actual: gordon setter



Predicted: cardigan Actual: pembroke



Predicted: pug Actual: bull mastiff



Predicted: irish_wolfhound Actual: scottish_deerhound



Predicted: airedale Actual: irish_terrier



Predicted: standard_schnauzer Actual: irish_terrier



Predicted: irish_wolfhound Actual: scottish_deerhound



1. Can only see head on the picture

Predicted: brittany_spaniel Actual: welsh_springer_spaniel



Predicted: bernese_mountain_dog Actual: appenzeller



- 1. Can only see head on the picture
 - 2. Derivatives of the same breed

Predicted: cardigan Actual: pembroke



Predicted: pug Actual: bull_mastiff



- 1. Can only see head on the picture
 - 2. Derivatives of the same breed
 - 3. Breed's main difference is size