

DOG BREED CLASSIFICATION

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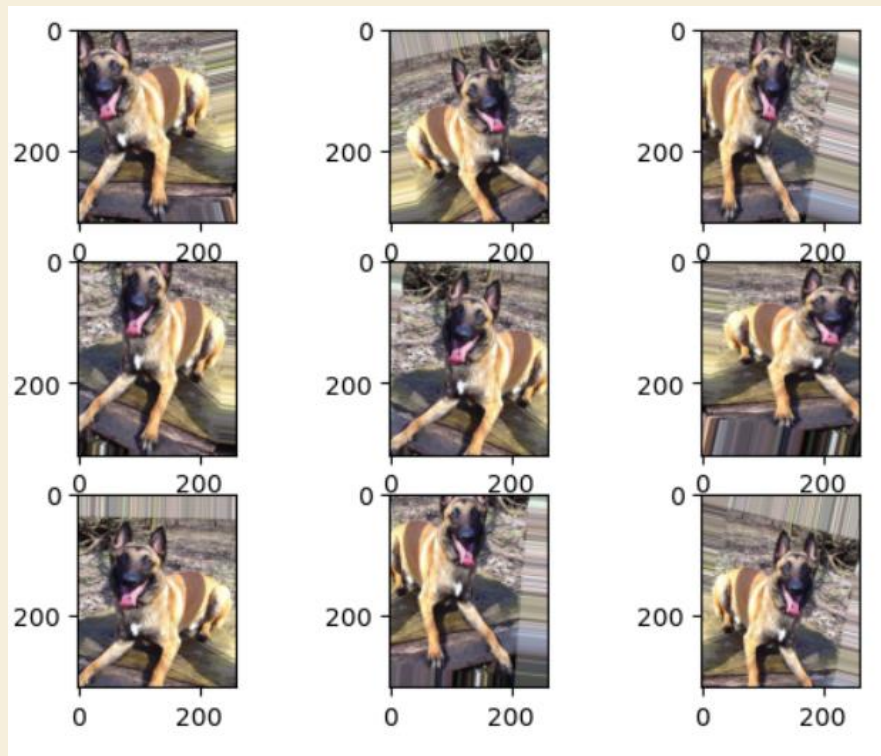
Dataset

120 classes

20 580 records



Augmentation



Model

Input 224x224

- Conv2D(32)

1 block

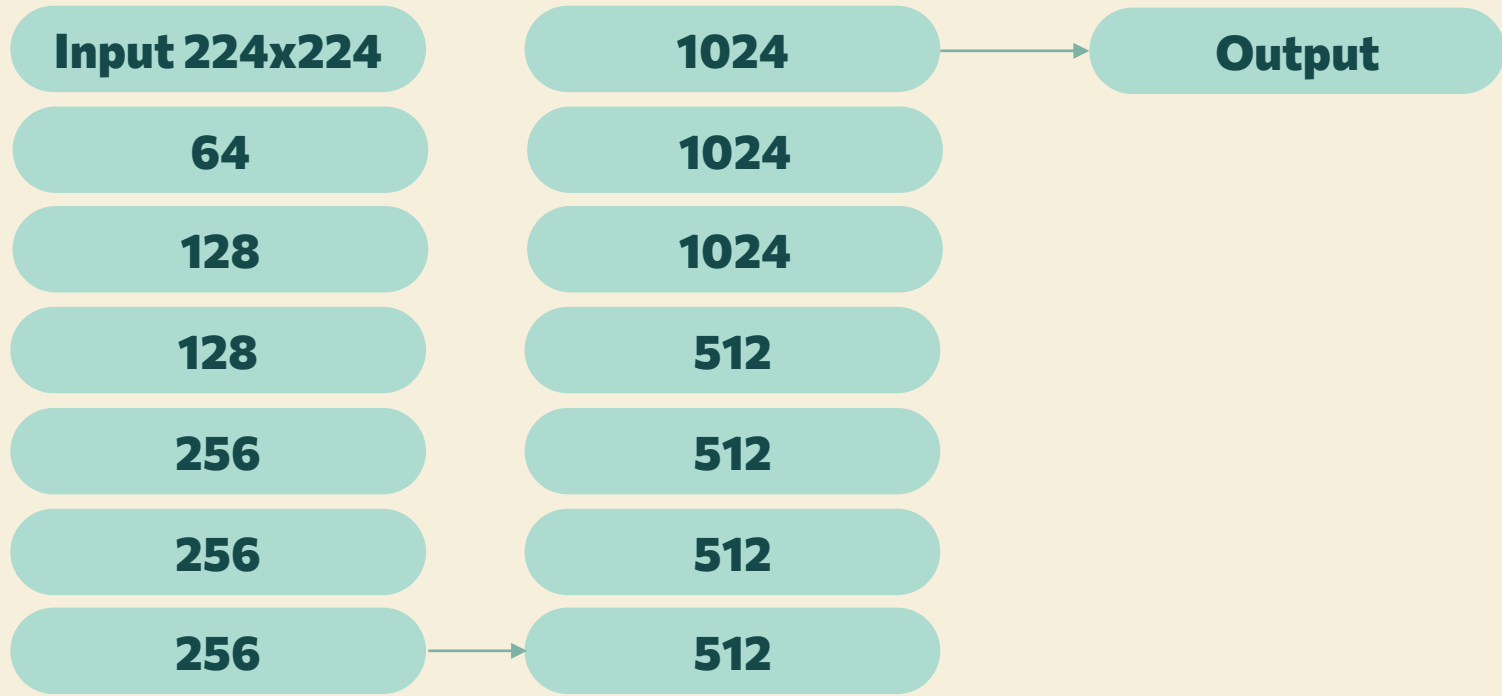
- Inspired by MobileNetV1

```
DepthwiseConv2D(kernel_size = 3, strides = 2, padding = 'same'),  
BatchNormalization(),  
ReLU(),  
Conv2D(128, kernel_size = 1, strides = 1),  
BatchNormalization(),  
ReLU(),
```

Last layer

```
GlobalAveragePooling2D(),  
  
Dense(120, activation='softmax')
```

Model



Results

Accuracy

Train: 93.73 %

Valid: 93.33 %

Test: 92.38 %

