



VS



Dog Breed Identification



VS



Malteser

Entlebucher

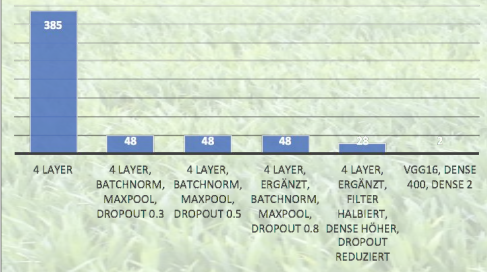
Silky Terrier

Yorkshire Terrier

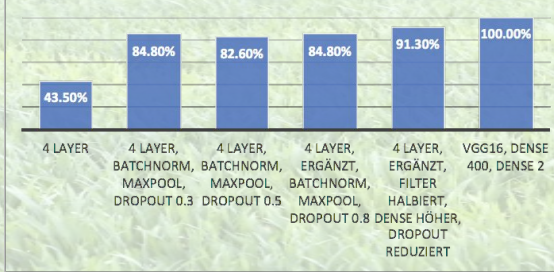


Zwei sehr unterschiedliche Rassen (Malteser vs. Entlebucher)

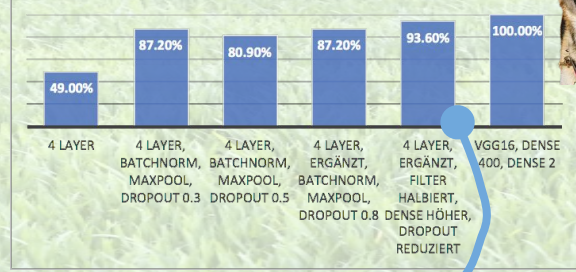
Anzahl Parameter (in Mio.)



Validation Accuracy



Test Accuracy



Zwei sehr ähnliche Rassen (Silky Terrier vs. Yorkshire Terrier)

4 Layer CNN analog oben

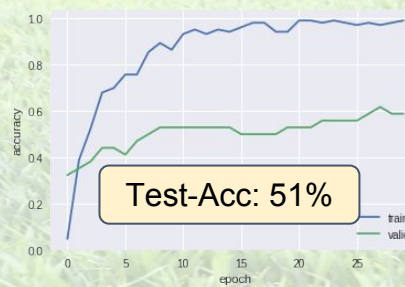
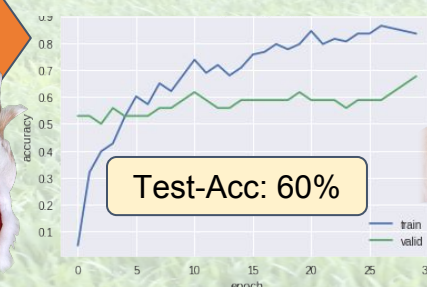


Image-Augment.



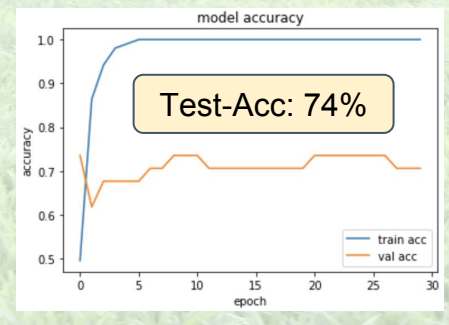
gleiches CNN mit Image Augmentation



Pretrained Model

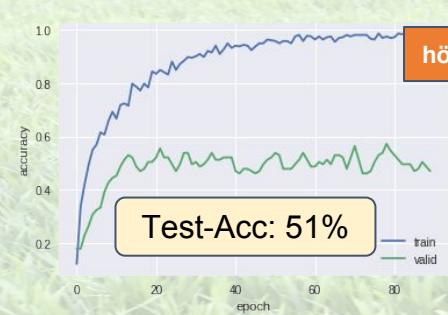


VGG16 ohne Tuning



Top 5 Rassen

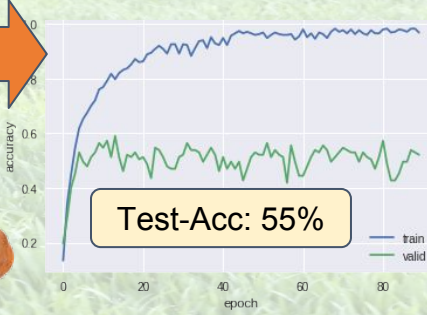
4 Layer CNN Image Augmentation 224x224



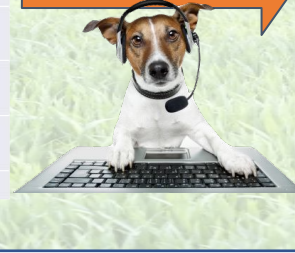
höhere Auflösung



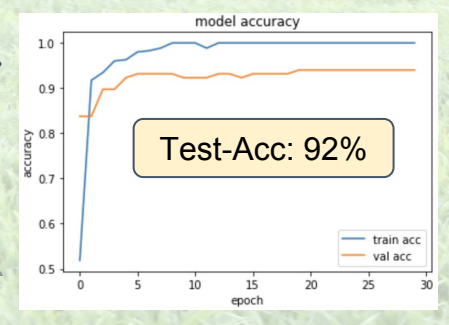
gleiches CNN mit 400 x 400 Pixel



Pretrained Model

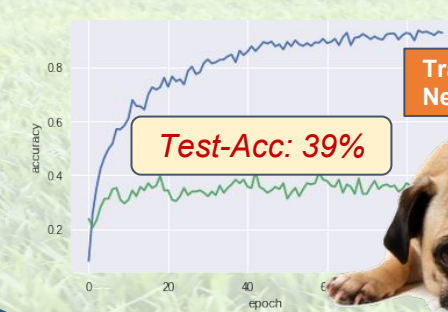


VGG16 ohne Tuning

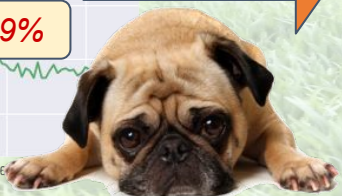


Top 10 Rassen

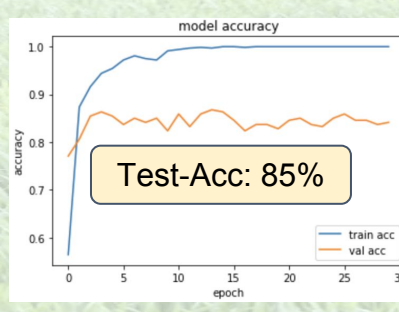
4 Layer CNN Image Augmentation 400x400



Training eigenes Netz aufgeben



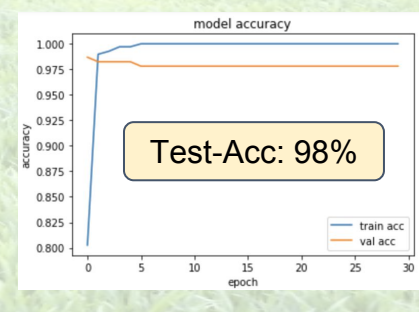
VGG16 ohne Tuning



besseres Pretrained Model

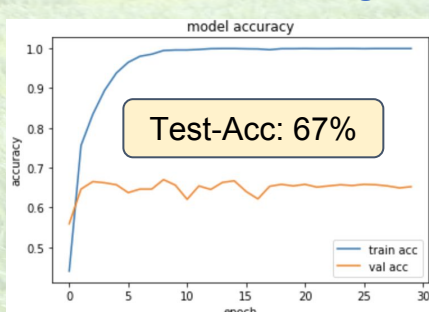


Xception



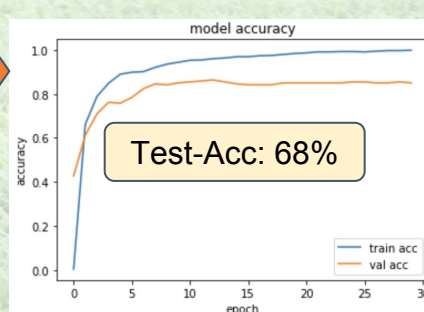
60 Rassen

VGG16 ohne Tuning



Tuning

VGG16 mit Tuning



Xception

