

# Experiment Matrix

## Configurations

Default configuration for all experiments

<b>Model</b>	ResNet-50 pretrained with ImageNet data
<b>Optimizer</b>	Adam
<b>Loss-Function</b>	Categorical Crossentropy
<b>Metriken</b>	Accuracy, Categorical Accuracy
<b>Train Batch Size</b>	10
<b>Test Batch Size</b>	10
<b>Epochs</b>	50

## ResNet Depth

- ResNet-50 (Default)
- ResNet-101
- ResNet-152

## Loss Function

- Keras Categorical Crossentropy (Default)
- Root Mean Square Error

## Optimizer

- Keras Default Adam (Default)
- Keras Default Stochastic Gradient Descent
- Keras Default Adadelta

## Modell

- ResNet-50 (Default)
- ResNet-152 (Use result of ResNet Depth experiments)
- DenseNet-169