Konvertierung_Opt

February 12, 2021

Script for converting a trained model (see Script Training_CIFAR.py)
to a TensorFlow-Lite-Model with optimization

Based on https://www.tensorflow.org/api_docs/python/tf/lite/TFLiteConverter

```python
import tensorflow as tf
```

```python
#Choose parameters of the trained model to be converted (see script␣
 ↪Training_CIFAR)
Dataset = 2
Model   = 2
Epochs  = 100
Batch   = 32
```

```python
#Convert the model
converter               = tf.lite.TFLiteConverter.from_saved_model("saved_model/
 ↪"+"Dataset %s Model %s Epochs %s Batch Size %s" %(Dataset, Model, Epochs,␣
 ↪Batch))
converter.optimizations = [tf.lite.Optimize.DEFAULT]
tflite_model            = converter.convert()
```

```python
#Save the model.
with open('model2.tflite', 'wb') as f: #choose filename
    f.write(tflite_model)
```

```python

```