

Traffic Sign Classification

Lewis Collum

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Downloading the German Traffic Sign Recognition Benchmark, GTSRB

The following downloads the dataset, unzips it, and moves the internal directories around (and changes their name) to match my preferred directory convention.

```
dataset=GTSRB-Training_fixed.zip

if [[ ! -d "data" ]]; then
    wget https://sid.erda.dk/public/archives/daaeac0d7ce1152aea9b61d9f1e19370/$dataset
    unzip $dataset -d "data"
    rm -f $dataset
fi;

if [[ -d "data/GTSRB/Training" ]]; then
    mv "data/GTSRB/Training/" "data/train"
    rm -rf "data/GTSRB"
    mv "data/train/Readme.txt" "data/README_GTSRB"
fi;

echo "DONE!"
```

Load the Data

common.py

```
trainPath = "../image/train"
```

Resources

Tutorial

- <https://towardsdatascience.com/recognizing-traffic-signs-with-over-98-accuracy-using-deep-learning-86737aedc2ab>
- <https://github.com/kenshiro-o/CarND-Traffic-Sign-Classifier-Project>
- https://github.com/kenshiro-o/CarND-Traffic-Sign-Classifier-Project/blob/master/Traffic_Sign_Classifier.ipynb

Dataset

- <https://sid.erda.dk/public/archives/daaeac0d7ce1152aea9b61d9f1e19370/published-archive.html>
- <http://benchmark.ini.rub.de/?section=gtsrb&subsection=dataset>