

# Traffic Sign Classification

Lewis Collum

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## Downloading German Traffic Sign Recognition Benchmark GTSRB

```
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-Classfier-Project>
- [https://github.com/kenshiro-o/CarND-Traffic-Sign-Classfier-Project/blob/master/Traffic\\_Sign\\_Classifier.ipynb](https://github.com/kenshiro-o/CarND-Traffic-Sign-Classfier-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>