Operation Manual for Codes

Dataset (ICDAR2015 Competition Dataset):

    You can download this dataset from here:

Prerequisites: Pytorch, Scipy, Numpy, Tesseract OCR, Pytesseract

Train:

    To train a new model, change the directories path at:

        train.py: line 35, 36

    to the directory of the dataset.

    Then run

        python3 train.py

    Optional arguments:

        --num_epochs   train epoch number [default value is 100]

    The output super resolution images are on training_results directory.

Test:

    To test a model, change the directories path at:

        test_benchmark.py: line 46

    to the directory of the test set.

    Then run

        python3 test_benchmark.py

    Optional arguments:

        --model_name

            generator model epoch name [default value is netG_epoch_4_100.pth]

        --ocr   use OCR for validation [default value is 0]

    The output super resolution images are on benchmark_results directory.