## ex7-text-recognition

## August 5, 2024

```
[1]: import cv2
     from matplotlib import pyplot as plt
     import easyocr
[2]: reader = easyocr.Reader(
         ["en"]
     ) # this needs to run only once to load the model into memory
    Neither CUDA nor MPS are available - defaulting to CPU. Note: This module is
    much faster with a GPU.
    /opt/hostedtoolcache/Python/3.11.9/x64/lib/python3.11/site-
    packages/easyocr/detection.py:78: FutureWarning: You are using `torch.load` with
    `weights_only=False` (the current default value), which uses the default pickle
    module implicitly. It is possible to construct malicious pickle data which will
    execute arbitrary code during unpickling (See
    https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for
    more details). In a future release, the default value for `weights_only` will be
    flipped to `True`. This limits the functions that could be executed during
    unpickling. Arbitrary objects will no longer be allowed to be loaded via this
    mode unless they are explicitly allowlisted by the user via
    `torch.serialization.add_safe_globals`. We recommend you start setting
    `weights_only=True` for any use case where you don't have full control of the
    loaded file. Please open an issue on GitHub for any issues related to this
    experimental feature.
      net.load_state_dict(copyStateDict(torch.load(trained_model,
    map location=device)))
    /opt/hostedtoolcache/Python/3.11.9/x64/lib/python3.11/site-
    packages/easyocr/recognition.py:169: FutureWarning: You are using `torch.load`
    with `weights_only=False` (the current default value), which uses the default
    pickle module implicitly. It is possible to construct malicious pickle data
    which will execute arbitrary code during unpickling (See
    https://github.com/pytorch/pytorch/blob/main/SECURITY.md#untrusted-models for
    more details). In a future release, the default value for `weights only` will be
    flipped to `True`. This limits the functions that could be executed during
    unpickling. Arbitrary objects will no longer be allowed to be loaded via this
    mode unless they are explicitly allowlisted by the user via
```

`torch.serialization.add\_safe\_globals`. We recommend you start setting

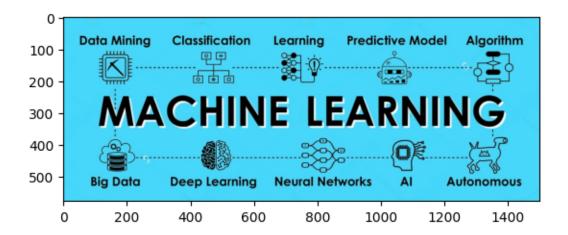
`weights\_only=True` for any use case where you don't have full control of the loaded file. Please open an issue on GitHub for any issues related to this experimental feature.

state\_dict = torch.load(model\_path, map\_location=device)

```
[3]: IMAGE_PATH = "datasets/ocr.jpeg"
```

```
[4]: img = cv2.imread(IMAGE_PATH)
plt.imshow(img)
```

[4]: <matplotlib.image.AxesImage at 0x7fb3b0f75e50>



['Data Mining', 'Classification', 'Learning', 'Predictive Model', 'Algorithm', 'MACHINE', 'LEARNING', 'Big Data', 'Deep Learning', 'Neural Networks', 'Al', 'Autonomous']

