O Lab 1-1 Classification DS: MNIST Model: Custom

Olabi-2
Classification

DS: CIFAR

Model: Custom

A (ex Net (build))

Loss: Cross Entropy Loss

Opt: A dam

O Labr-3

Image generation

Ds: MNIST

Model: Autoencoder

Loss · MNELoss optim: AdamW

0 lab 2-1

DS1: list off all images inside Classes folders

DS2: train / test folders, each one has classe f.

DS3: Image Folder

DS4: Labels in images name

Olab 2-4

Image Search DS: Image Folder Model: Efficent Net (Pretrained)
PCA

Acc. : cos similarity

O Lab 3-1

Segmentation

Ds: Ready

Model: UNet (build)

Loss: Cross Entropy

OP+: AdamW

Olab 3-2

Image segmentation

DS: CSV

Model: UNet (Pretrained)

Loss: BCE

optim: Adam W

O Lab 4-1

Object detection

Ds: dict. {}

Model: Faster R-CNN (Pretrained)

Metric: mAP

opt: AclamW

O Lab 4-2

object detection

Ds: yaml

Model: Yolo

Test bank

O LABI_2

Image coloring

DS: CIFAR

Model: UNet (build)

LOSS: MSE + LI

OPT: Adam W

0 LAB2-2

Classification

DS: . mat

Model: Lustom

Loss: Cross Entropy

oft: Adam W

O Not_Q1

Classification

Ds: Image Folder

Model: ResNet18 (Pretrained)

+ ensembling

Loss: Cross Entropy

opt: SGD

Metric: Accuracy

O Not_Q2

Classification (image prepocessing)

DS: . CSV

Model: Custom

Loss: Cross Entropy

opt: SGD

Metric: Accuracy

O Not_Q3

Image denoising / deblurring

Ds: Custom

Model: UNet (build)

LOSS: MSE

opt : Adam