

# ML/DL Project No.1

- Do experiment on deep-Classification using MNIST dataset of hand-written digits, 0~9. Obtain your own validation errors by showing confusion matrices. Choose one of the following two versions:
- Python Tensorflow Version
  - 1) Use ResNet-18 (You may use pre-Trained paramaters)
  - 2) Download MNIST Dataset (train: 60000 + test: 10000)
  - 3) Install PyCharm3.6 or Anaconda3 & import appropriate libraries (tensorflow, keras, tensorboard, etc.)
  - 4) Download a known source from GITHUB (ResNet-18)
- Matlab Version
  - 1) Use ResNet-18 (You may use pre-Trained paramaters)
  - 2) Download MNIST Dataset (train: 60000 + test: 10000)
  - 3) Use command >> doc deepNetworkDesigner [Enter]
- Submission due 2 weeks (April 17)