Week 4 Excercise

Train a simple (single layer, single fully connected layer, etc.) neural network through JAX vectorization (maybe you can try vectorization techniques in PyTorch and Tensorflow respectively). Compare their performance with each and with the results derived in Week 3’s exercise.

Optional: For those who interested in Convolutional neural network, you can refer to this:

<https://jax.readthedocs.io/en/latest/notebooaks/convolutions.html>

and implement a CNN to predict the label of some famous datasets (I previously used Faces94 dataset as a Facial Recognition toy dataset, just for your reference. You can search for any datasets to use.)