Note to run cells

- Open a .ipynb file with Colab.
- A cell can be run by shift+enter.
- If the kernel has been restarted, you have to re-install packages by e.g.: install.packages('keras')
 You could do this when you encounter an error concerning the command library().

machine-learning practitioner, you'll see MNIST come up over and over again, in scientific papers, blog posts, and so on. The MNIST dataset comes preloaded in Keras, in the form of train and test lists, each of which includes a set of images (x) and associated labels (y):

install.packages('keras')

Installing package into '/usr/local/lib/R/site-library' (as 'lib' is unspecified) also installing the dependencies 'config', 'reticulate', 'tensorflow', 'tfruns'

Note

- A command to fit a model to data by e.g.:
 - [15] history <- model %>% fit(partial_x_train, partial_y_train, epochs = 20, batch_size = 512, validation_data = list(x_val, y_val))

may take time. With unknown reasons, epoch-byepoch outputs (a kind of traces) are not displayed.