Exp -6

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# example of loading the mnist dataset
from tensorflow.keras.datasets import mnist
from matplotlib import pyplot as plt
# load dataset
(trainX, trainy), (testX, testy) = mnist.load_data()
# summarize loaded dataset
print('Train: X=%s, y=%s' % (trainX.shape, trainy.shape))
print('Test: X=%s, y=%s' % (testX.shape, testy.shape))
# plot first few images
for i in range(9):
        # define subplot
        plt.subplot(330 + 1 + i)
        # plot raw pixel data
        plt.imshow(trainX[i], cmap=plt.get_cmap('gray'))
# show the figure
plt.show()
```