#TensorFlow Distributed

import tensorflow as tf

import numpy as np

def create\_model():

model = tf.keras.Sequential([

tf.keras.layers.Dense(10, activation='relu', input\_shape=(10,)),

tf.keras.layers.Dense(10)

])

return model

def main():

strategy = tf.distribute.MultiWorkerMirroredStrategy()

print("Number of devices: {}".format(strategy.num\_replicas\_in\_sync))

with strategy.scope():

model = create\_model()

model.compile(optimizer='sgd', loss='mse')

data = np.random.rand(100, 10)

labels = np.random.rand(100, 10)

dataset = tf.data.Dataset.from\_tensor\_slices((data, labels)).batch(32)

model.fit(dataset, epochs=5)

if \_\_name\_\_ == '\_\_main\_\_':

main()