

Predicting Financial Time Series using Deep Learning

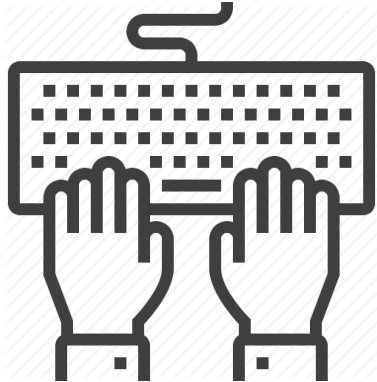
Module2. Save and Load Model on Google Colab

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Fall, 2018

Hands on Labs Save and Load Model on Google Colab



Lab3 Save and Load Model

Lab3_Save_and_Load_Model.ipynb

<https://colab.research.google.com/drive/1x4EgYUnFvJicga8AllR1QjT8QP3lXocE>

Save

```
[9] model.save(DATA_PATH+"256x2-CNN.model")
```

Load

```
[10] import tensorflow as tf  
      model = tf.keras.models.load_model(DATA_PATH+"256x2-CNN.model")
```

Retrain after Loading

```
Epoch 9/10  
3080/3080 [=====] - 13s 4ms/step - loss: 0.3850 - acc: 0.8331  
Epoch 10/10  
3080/3080 [=====] - 13s 4ms/step - loss: 0.3404 - acc: 0.8500
```

Retrain

```
[12] model.fit(X_train, y_train, batch_size=64, epochs=10, validation_split=0.3)
```

☞ Train on 3080 samples, validate on 1321 samples

```
Epoch 1/10  
3080/3080 [=====] - 13s 4ms/step - loss: 0.3364 - acc: 0.8519  
Epoch 2/10  
3080/3080 [=====] - 12s 4ms/step - loss: 0.3295 - acc: 0.8610  
Epoch 3/10  
3080/3080 [=====] - 13s 4ms/step - loss: 0.2713 - acc: 0.8805
```

Thank you ☺

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