

-*- coding: utf-8 -*-

"""Building Model.ipynb

Automatically generated by Colaboratory.

Original file is located at

<https://colab.research.google.com/drive/19-mKQRwnrPODyvOYPC1ILjv5iTFw8sok>

"""

#Building a model based on the above defined function

model=load_CNN(6) #Number of Columns/Outputs

model.compile(loss='categorical_crossentropy',optimizer=Adam(lr=0.001),metrics=['accuracy'])

model.summary #to print model summary

weights=model.get_weights() #to get the weights from model

#some arrays to store the result of each model

histories_acc=[]

histories_val_acc=[]

histories_loss=[]

histories_val_loss=[]

model.set_weights(weights)

h=model.fit(X_train, y_train,

batch_size=16,

epochs=7,

verbose=1,

callbacks=[early_stop_loss],

shuffle=True,

validation_data=(X_test, y_test))

model.summary()#to print model summary