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Assignment 2 README

Link to google colab: https://colab.research.google.com/drive/1T1x-NdSVoAO1FPdyWWhHKr9ueAwUr5ys?usp=sharing

To get started, uncomment all of the code that lies between the #start and #stop code cells.

Also follow this link to get instructions to get Kaggle API and what the Kaggle steps are doing https://www.analyticsvidhya.com/blog/2021/06/how-to-load-kaggle-datasets-directly-into-google-colab/

#start

… (Kaggle code)

#stop

If the code is run multiple times in the same Google Colab session, please comment out the lines of code between #start and #stop prior to running.

If you need to reconnect or restart the Google Colab session, the Kaggle code will need to be run again.

Look for

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#Parameters to change

Can change

Epochs

Learning rate

Layer to start fine tuning at

To change parameters and for adding or taking away dense layers or covnet filters find in code and either comment or uncomment the code

# to add or subtract dense layers add or get rid of

#x = tf.keras.layers.Dropout(0.5)(x)

#x = tf.keras.layers.Dense(# of hidden neurons,activation='relu')(x)

# add this after the pretrained model where it says

# ##############Change deep model layers####################

For the first two iterations in the report uncomment

#x = tf.keras.layers.Conv2D(128, (3,3), padding='same', activation='relu')(x)

#x = tf.keras.layers.MaxPooling2D((2,2))(x)

#x = tf.keras.layers.Conv2D(64, (3,3), padding='same', activation='relu')(x)

#x = tf.keras.layers.MaxPooling2D((2,2))(x)

Located under ####################For first 2 iterations##############################