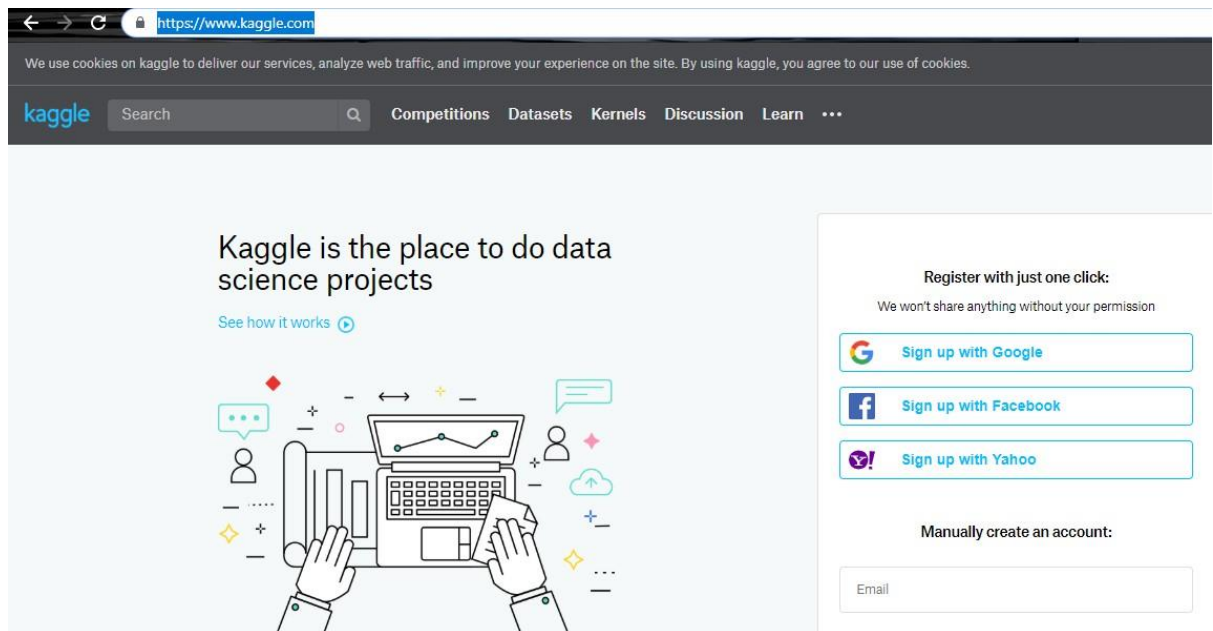


Steps:

1. Sign in into <https://www.kaggle.com/> and create a new account if already not present. You have to give a <username> while creating the account.



2. Using the <username>, go to the link <https://www.kaggle.com/<username>/account> and click on **Create new API token**. This will download a key file '**kaggle.json**', which will be used to download the flower dataset. This dataset is used for training the model. If you have some problem downloading the key file, you can download it again.

https://www.kaggle.com/govindam1/account

Home Competitions Kernels Discussion Datasets ...

User Name
govindam1
Your username cannot be changed.

Display Name
Govindam
The name users will see publicly. We recommend using your full name.

Email Address
govindam.kumar@upgrad.com

Phone Verification
Not verified »

Email Preferences
☐ Subscribe to mailing list for competition updates

API
Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submission command line. [Read the docs](#)

Create New API Token Expire API Token

3. Upload the '**kaggle.json**' key in the folder 'CNN Architectures and Transfer Learning' present in your Lab server. Make sure that the name of the key file is the '**kaggle.json**'

jupyter

Quit

Files Running Clusters Nbextensions

Select items to perform actions on them.

0 / CNN Architectures and Transfer Learning

Transfer_Learning_Notebook_Keras.ipynb

Upload New

Name Last Modified File size

Open

This PC > Downloads

Organize New folder

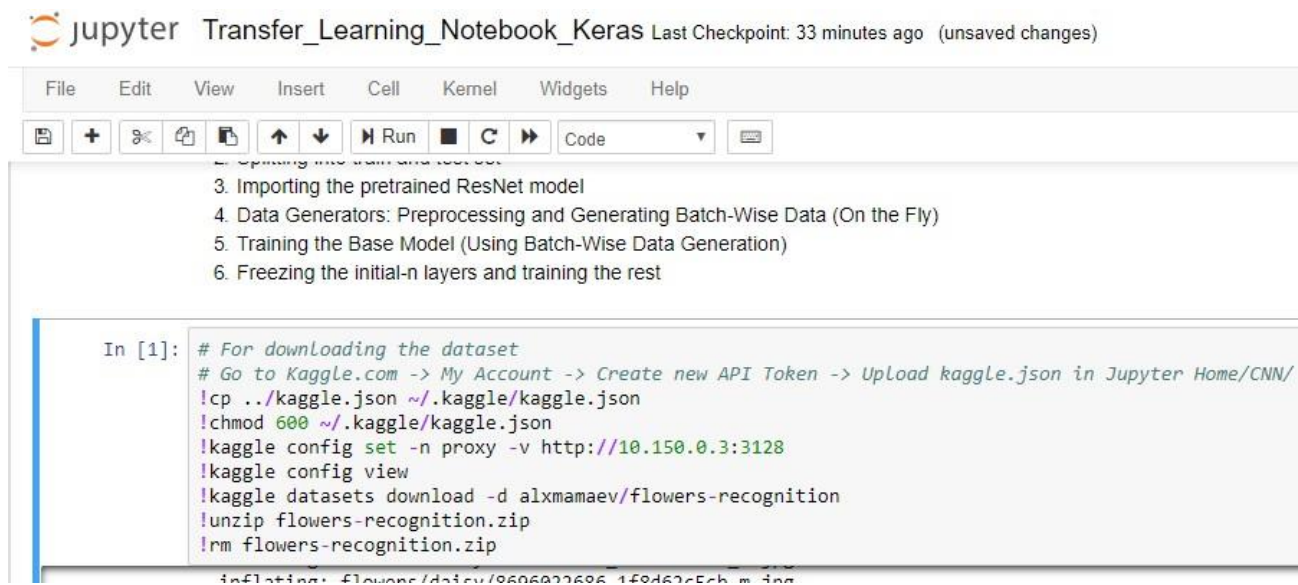
Name	Date	Type	Size	Tags
Kumar Govindam	04-09-2018 11:45	PDF File	295 KB	
kaggle	28-01-2019 11:13	JSON File	1 KB	
iris_training	30-05-2018 13:24	Microsoft Excel C...	3 KB	
iris_training (1)	30-05-2018 13:28	Microsoft Excel C...	3 KB	
Inventory+Management	29-11-2018 13:06	Compressed (zipp...	2,464 KB	
Inventory_DQN.ipynb	29-11-2018 22:47	IPYNB File	20 KB	
internet	03-05-2017 14:38	Microsoft Excel W...	312 KB	
Installation+Guide	23-01-2019 08:57	Compressed (zipp...	2,449 KB	
Installation+Guide (1)	23-01-2019 09:24	Compressed (zipp...	2,449 KB	
India	31-07-2015 14:42	Microsoft Excel W...	915 KB	
IMG-20180808-WA0004	24-09-2018 17:09	JPG File	55 KB	
IMG-20180808-WA0003	24-09-2018 17:09	JPG File	74 KB	

File name: kaggle

All Files

Open Cancel

4. Run the notebook to download the dataset.



The image shows a Jupyter Notebook interface. At the top, the title bar reads "jupyter Transfer_Learning_Notebook_Keras" with a status indicator "Last Checkpoint: 33 minutes ago (unsaved changes)". Below the title bar is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. Underneath the menu bar is a toolbar with icons for saving, adding cells, undo, redo, running, and other standard Jupyter actions. The main area of the notebook contains a list of steps:

2. Splitting into train and test set
3. Importing the pretrained ResNet model
4. Data Generators: Preprocessing and Generating Batch-Wise Data (On the Fly)
5. Training the Base Model (Using Batch-Wise Data Generation)
6. Freezing the initial-n layers and training the rest

Below the list is a code cell labeled "In [1]:". The code in the cell is as follows:

```
# For downloading the dataset
# Go to Kaggle.com -> My Account -> Create new API Token -> Upload kaggle.json in Jupyter Home/CNN/
!cp ../kaggle.json ~/.kaggle/kaggle.json
!chmod 600 ~/.kaggle/kaggle.json
!kaggle config set -n proxy -v http://10.150.0.3:3128
!kaggle config view
!kaggle datasets download -d alxmamaev/flowers-recognition
!unzip flowers-recognition.zip
!rm flowers-recognition.zip
```

Below the code cell, the beginning of the output is visible: "inflating: flowers/dataset/0606027696_1f0d62c5eb_m.jpg".