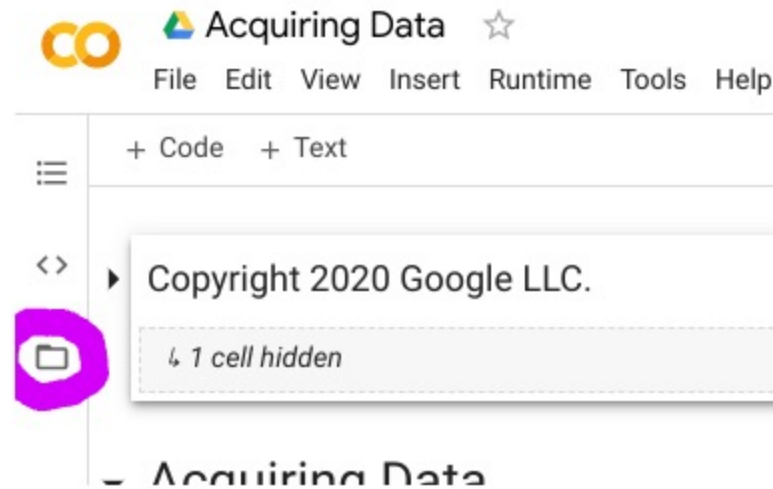


Acquiring Data

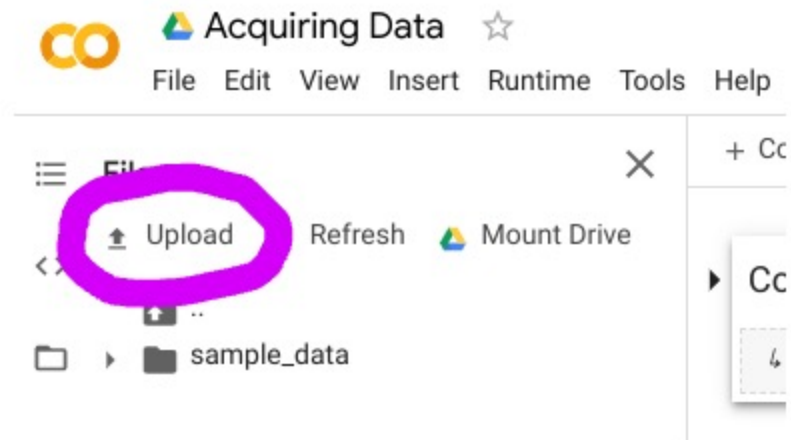
Uploading Data

Uploading Data

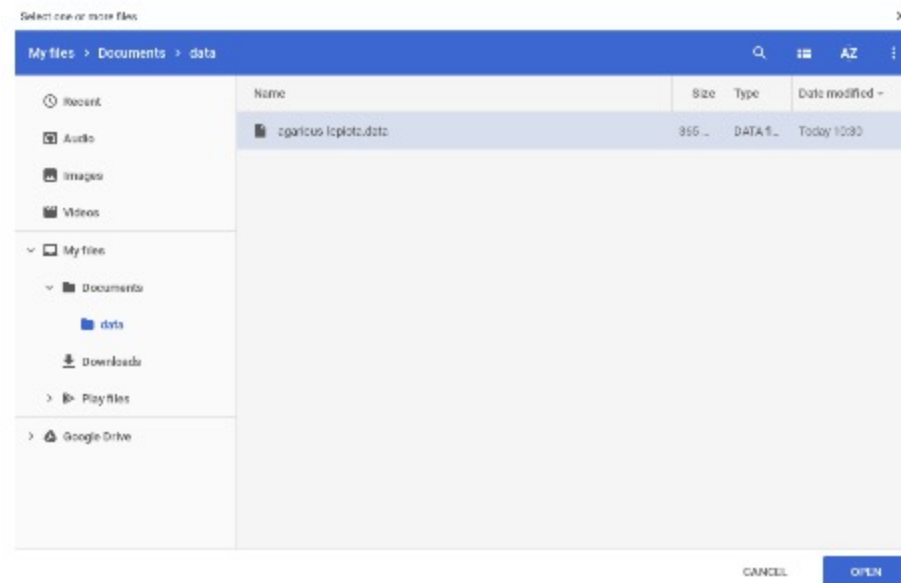
Click on the "Files" icon.



Uploading Data



Uploading Data



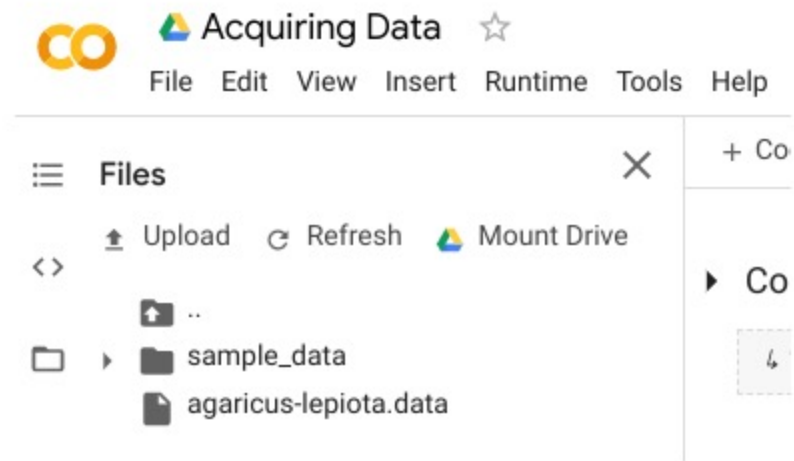
Uploading Data

Reminder, uploaded files will get deleted when this runtime is recycled.

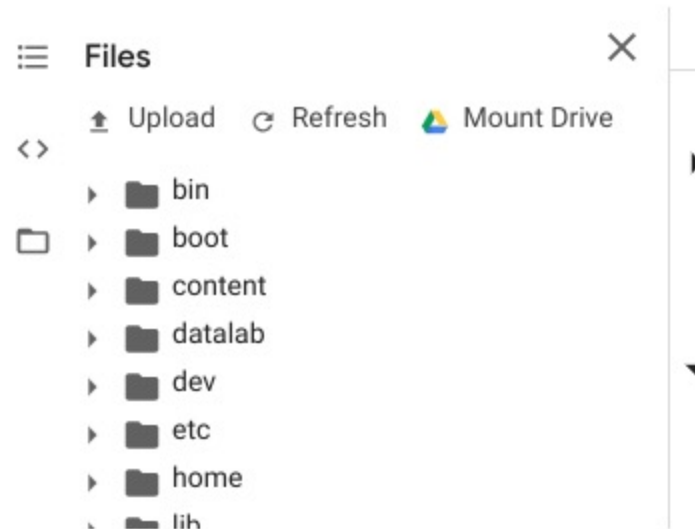
[More info](#)

OK

Uploading Data



Uploading Data



Uploading Data

```
df = pd.read_csv('data.csv')      # Reads /content  
  
df = pd.read_csv('../data.csv')   # Reads /  
df = pd.read_csv('/data.csv')    # Reads /
```

Uploading Data



Uploading Data



Uploading Data



Downloading With Python

```
import urllib.request

urllib.request.urlretrieve(
    'http://www.example.com/data.csv',
    'data.csv')
```

Downloading With Pandas

```
import pandas as pd

pd.read_csv(
    'http://www.example.com/data.csv',
    names=column_names)
```

SQL

```
import pyodbc
import pandas as pd

db_connection = pyodbc.connect(...)

query = pd.read_sql_query('''
    select * from data_table
''', db_connection)

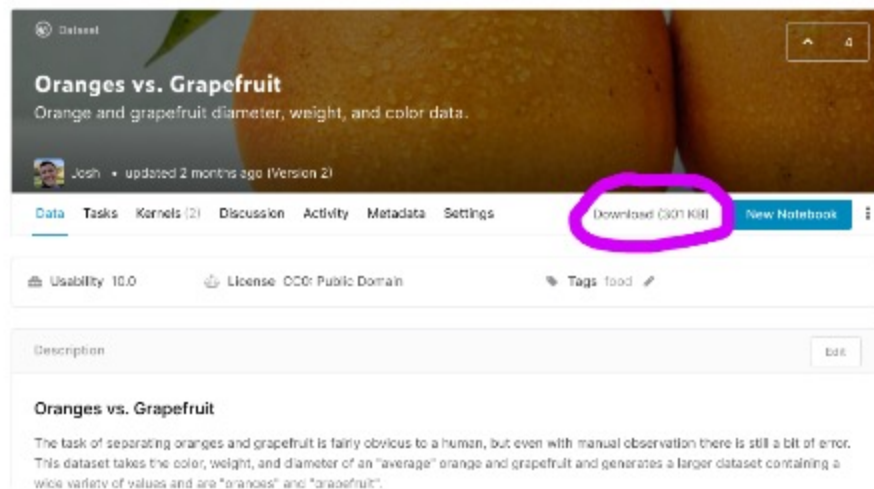
df = pd.DataFrame(query, columns=column_names)
```

APIs

```
import tweepy  
  
auth = tweepy.OAuthHandler('key', 'secret')  
  
api = tweepy.API(auth)  
  
for tweet in api.search(q='Machine Learning'):  
    print(tweet.text)
```


Kaggle

Kaggle: Browser Download



The screenshot shows the Kaggle dataset page for "Oranges vs. Grapefruit". The page features a header with the dataset title and a description: "Orange and grapefruit diameter, weight, and color data.". Below the header, there is a navigation bar with tabs for "Data", "Tasks", "Kernels (2)", "Discussion", "Activity", "Metadata", and "Settings". The "Data" tab is selected. A "Download (301 KB)" button is highlighted with a red circle. To the right of the download button is a "New Notebook" button. Below the navigation bar, there is a section for "Usability 10.0", "License: CC0: Public Domain", and "Tags: food". The "Description" section is visible, starting with the title "Oranges vs. Grapefruit" and a paragraph explaining the dataset's purpose: "The task of separating oranges and grapefruit is fairly obvious to a human, but even with manual observation there is still a bit of error. This dataset takes the color, weight, and diameter of an 'average' orange and grapefruit and generates a larger dataset containing a wide variety of values and are 'oranges' and 'grapefruit'."

Dataset

Oranges vs. Grapefruit

Orange and grapefruit diameter, weight, and color data.

Josh • updated 2 months ago (Version 2)

[Data](#) [Tasks](#) [Kernels \(2\)](#) [Discussion](#) [Activity](#) [Metadata](#) [Settings](#) [Download \(301 KB\)](#) [New Notebook](#)

Usability 10.0 License: CC0: Public Domain Tags: food

Description

Oranges vs. Grapefruit

The task of separating oranges and grapefruit is fairly obvious to a human, but even with manual observation there is still a bit of error. This dataset takes the color, weight, and diameter of an "average" orange and grapefruit and generates a larger dataset containing a wide variety of values and are "oranges" and "grapefruit".

Kaggle: Command Line

```
kaggle datasets download joshmcadams/oranges-vs-grapefruit
```

Your Turn!