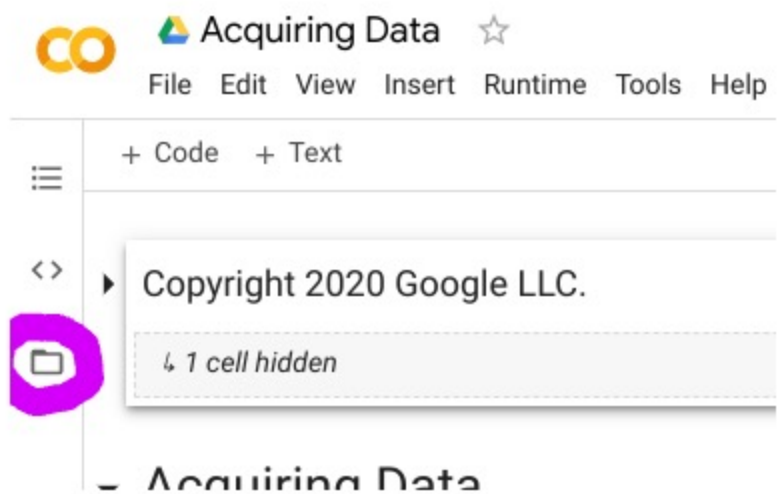
Acquiring Data

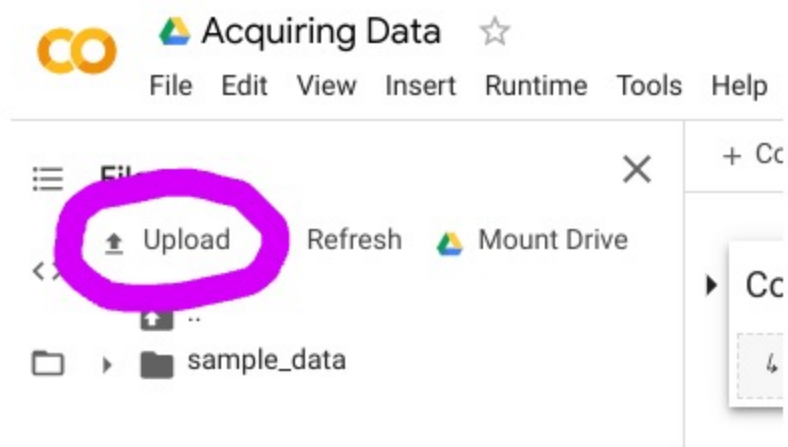
Uploading Data

Uploading Data

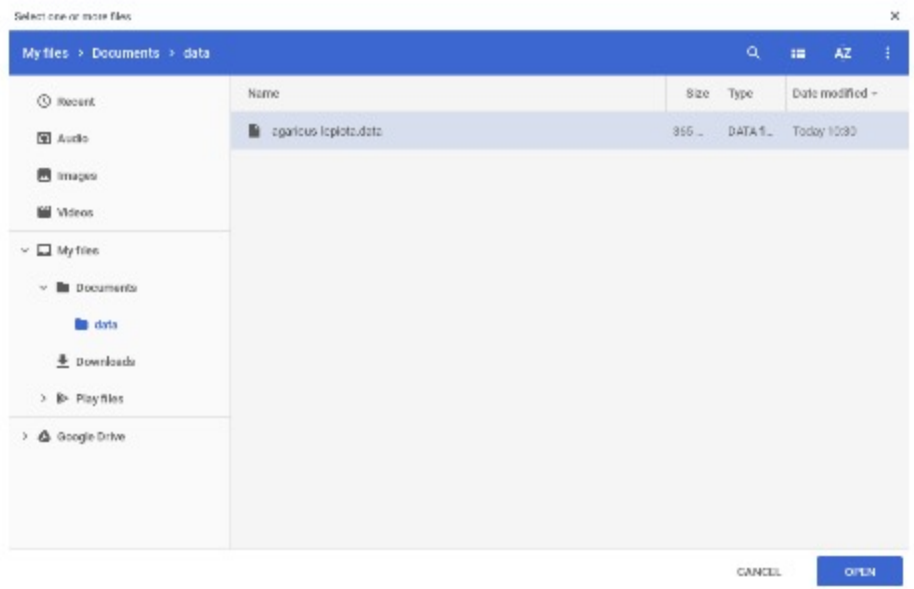
Click on the "Files" icon.



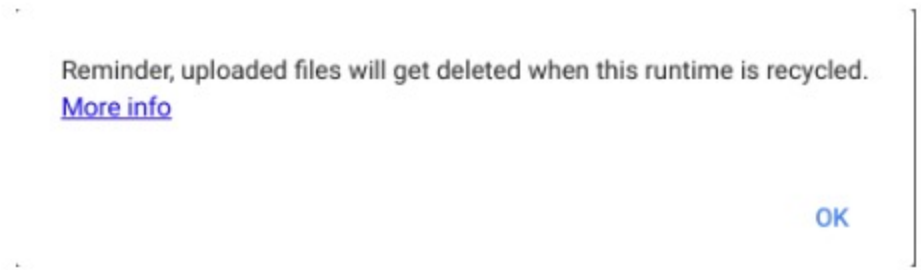
Uploading Data



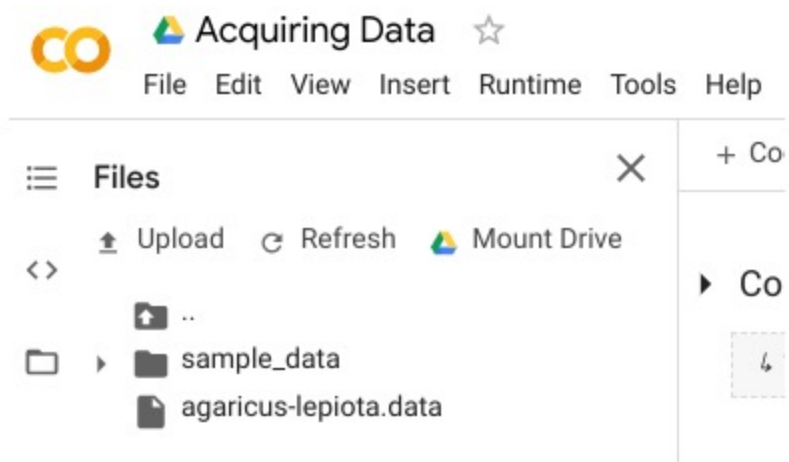
Uploading Data



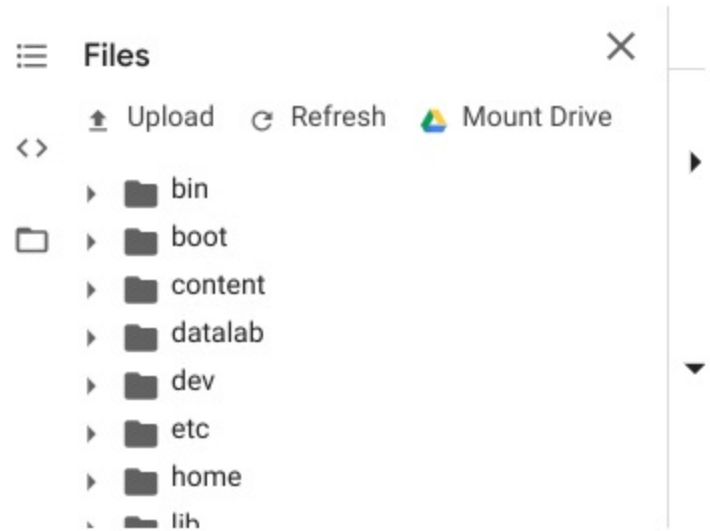
Uploading Data



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

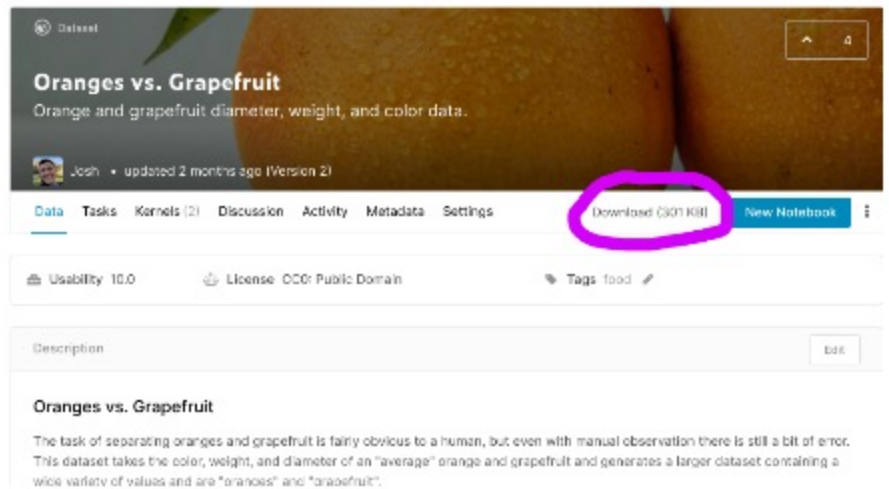
```
import pyodbc
import pandas as pd

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



Kaggle: Command Line

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

Your Turn!