csv_files

July 12, 2024

```python
[11]: import pandas as pd
```

1 Woking with JSON

```python
[12]: pd.read_json('train.json')
```

```
[12]:           id      cuisine                                        ingredients
      0       10259        greek  [romaine lettuce, black olives, grape tomatoes…
      1       25693  southern_us  [plain flour, ground pepper, salt, tomatoes, g…
      2       20130     filipino  [eggs, pepper, salt, mayonaise, cooking oil, g…
      3       22213       indian              [water, vegetable oil, wheat, salt]
      4       13162       indian  [black pepper, shallots, cornflour, cayenne pe…
      …         …           …                                                  …
      39769   29109        irish  [light brown sugar, granulated sugar, butter, …
      39770   11462      italian  [KRAFT Zesty Italian Dressing, purple onion, b…
      39771    2238        irish  [eggs, citrus fruit, raisins, sourdough starte…
      39772   41882      chinese  [boneless chicken skinless thigh, minced garli…
      39773    2362      mexican  [green chile, jalapeno chilies, onions, ground…

      [39774 rows x 3 columns]
```

```python
[16]: pd.read_json('https://api.exchangerate-api.com/v4/latest/INR')
```

```
[16]:                          api_url  \
      AED  https://www.exchangerate-api.com
      AFN  https://www.exchangerate-api.com
      ALL  https://www.exchangerate-api.com
      AMD  https://www.exchangerate-api.com
      ANG  https://www.exchangerate-api.com
      ..                              …
      XOF  https://www.exchangerate-api.com
      XPF  https://www.exchangerate-api.com
      YER  https://www.exchangerate-api.com
      ZAR  https://www.exchangerate-api.com
      ZMW  https://www.exchangerate-api.com

                               api_docs  \
```

```
AED  https://www.exchangerate-api.com/docs/free
AFN  https://www.exchangerate-api.com/docs/free
ALL  https://www.exchangerate-api.com/docs/free
AMD  https://www.exchangerate-api.com/docs/free
ANG  https://www.exchangerate-api.com/docs/free
..                                            …
XOF  https://www.exchangerate-api.com/docs/free
XPF  https://www.exchangerate-api.com/docs/free
YER  https://www.exchangerate-api.com/docs/free
ZAR  https://www.exchangerate-api.com/docs/free
ZMW  https://www.exchangerate-api.com/docs/free

                                 api_terms base       date  \
AED  https://www.exchangerate-api.com/terms  INR 2021-03-31
AFN  https://www.exchangerate-api.com/terms  INR 2021-03-31
ALL  https://www.exchangerate-api.com/terms  INR 2021-03-31
AMD  https://www.exchangerate-api.com/terms  INR 2021-03-31
ANG  https://www.exchangerate-api.com/terms  INR 2021-03-31
..                                        …  …        …
XOF  https://www.exchangerate-api.com/terms  INR 2021-03-31
XPF  https://www.exchangerate-api.com/terms  INR 2021-03-31
YER  https://www.exchangerate-api.com/terms  INR 2021-03-31
ZAR  https://www.exchangerate-api.com/terms  INR 2021-03-31
ZMW  https://www.exchangerate-api.com/terms  INR 2021-03-31

     time_last_updated      rates
AED         1617148801   0.050110
AFN         1617148801   1.051777
ALL         1617148801   1.426475
AMD         1617148801   7.270000
ANG         1617148801   0.024424
..                   …          …
XOF         1617148801   7.637893
XPF         1617148801   1.389489
YER         1617148801   3.411028
ZAR         1617148801   0.204121
ZMW         1617148801   0.301281

[160 rows x 7 columns]
```

2 Working with SQL

[17]:
```
!pip install mysql.connector
```

```
Processing c:\users\91842\appdata\local\pip\cache\wheels\57\e4\98\5feafb5c393dd2
540e44b064a6f95832990d543e5b4f53ea8f\mysql_connector-2.2.9-cp38-cp38-
win_amd64.whl
```

```
Installing collected packages: mysql.connector
Successfully installed mysql.connector
```

[18]: `import mysql.connector`

[20]:
```
conn = mysql.connector.
  ↪connect(host='localhost',user='root',password='',database='world')
```

[27]: `df = pd.read_sql_query("SELECT * FROM countrylanguage",conn)`

[28]: `df`

[28]:
```
     CountryCode     Language IsOfficial  Percentage
0            ABW        Dutch          T         5.3
1            ABW      English          F         9.5
2            ABW   Papiamento          F        76.7
3            ABW      Spanish          F         7.4
4            AFG      Balochi          F         0.9
..           ...          ...        ...         ...
979          ZMB       Tongan          F        11.0
980          ZWE      English          T         2.2
981          ZWE      Ndebele          F        16.2
982          ZWE       Nyanja          F         2.2
983          ZWE        Shona          F        72.1

[984 rows x 4 columns]
```

[ ]: