

Importing dataset in Jupyter Notebook

Install and Load pandas Package

Pandas is a powerful data analysis package. It makes data exploration and manipulation easy. It has several functions to read data from various sources.

If you are using Anaconda, pandas must be already installed. You need to load the package by using the following command –

```
import pandas as pd
```

1. Import File from URL

You don't need to perform additional steps to fetch data from URL. Simply put **URL** in `read_csv()` function (applicable only for CSV files stored in URL)

```
2]: mydata = pd.read_csv("http://winterolympicsmedals.com/medals.csv")  
mydata
```

2]:

	Year	City	Sport	Discipline	NOC	Event	Event gender	Medal
0	1924	Chamonix	Skating	Figure skating	AUT	individual	M	Silver
1	1924	Chamonix	Skating	Figure skating	AUT	individual	W	Gold
2	1924	Chamonix	Skating	Figure skating	AUT	pairs	X	Gold
3	1924	Chamonix	Bobsleigh	Bobsleigh	BEL	four-man	M	Bronze
4	1924	Chamonix	Ice Hockey	Ice Hockey	CAN	ice hockey	M	Gold
...
2306	2006	Turin	Skiing	Snowboard	USA	Half-pipe	M	Silver
2307	2006	Turin	Skiing	Snowboard	USA	Half-pipe	W	Gold

2. Read Text File

We can use `read_table()` function to pull data from text file. We can also use `read_csv()` with `sep= "\t"` to read data from tab-separated file.

```
7]: mydata = pd.read_csv("C:\\Users\\Harsh Ayush\\Desktop\\data.txt")
mydata
```

```
7]:
```

	name	age	salary
0	Pooja	25	45000
1	shruti	23	30000
2	anjali	26	32000

3. Read Excel File

The `read_excel()` function can be used to import excel data into Python.

```
] mydata = pd.read_excel("https://www.eia.gov/dnav/pet/hist_xls/RBRTed.xls", skiprows=2)
mydata
```

```
] :
```

	Unnamed: 0	Europe Brent Spot Price FOB (Dollars per Barrel)	Unnamed: 2	Unnamed: 3	Unnamed: 4	Unnamed: 5
0	NaN	NaN	NaN	NaN	NaN	NaN
1	NaN	Click worksheet name or tab at bottom for data	NaN	NaN	NaN	NaN
2	NaN	Worksheet Name	Description	# Of Series	Frequency	Latest Data for
3	NaN	Data 1 Europe Brent Spot Price FOB (Dollars per Barrel)		1	Daily	2/8/2021
4	NaN	NaN	NaN	NaN	NaN	NaN
5	NaN	Release Date:	2/10/2021	NaN	NaN	NaN
6	NaN	Next Release Date:	2/18/2021	NaN	NaN	NaN
7	NaN	Excel File Name:	rbted.xls	NaN	NaN	NaN
8	NaN	Available from Web Page:	https://www.eia.gov/dnav/pet/hist/LeafHandler....	NaN	NaN	NaN
9	NaN	Source:	NaN	NaN	NaN	NaN

