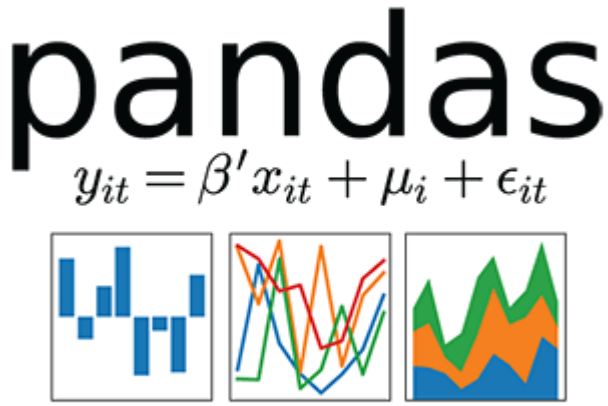

Outlines

- Create DataFrame using csv file
- Create DataFrame using excel file
- Create DataFrame using Python dictionary
- Create DataFrame using tuple list
- Create DataFrame using list of dictionaries

In [32]:
```
import pandas as pd
```

Create DataFrame using csv file

In [33]:
```
df = pd.read_csv('D:/Data_Science/My Github/Pandas-tutorial/Document/weather_data.
df
```

Out[33]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow
3	1/4/2017	24	7	Snow
4	1/5/2017	32	4	Rain
5	1/6/2017	31	2	Sunny

Create DataFrame using excel file

In [34]:
```
df = pd.read_excel('D:/Data_Science/My Github/Pandas-tutorial/Document/weather_dat
df
```

Out[34]:

	day	temperature	windspeed	event
0	2017-01-01	32	6	Rain
1	2017-01-02	35	7	Sunny
2	2017-01-03	28	2	Snow

Create DataFrame using python dictionary

In [41]:
```
import pandas as pd
weather_data={
    'day':['1/1/2017','1/2/2017','1/3/2017'],
    'temperature':[32,35,28],
    'windspeed':[6,7,2],
    'event':['Rain','Sunny','Snow']
}

df = pd.DataFrame(weather_data)
df
```

Out[41]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow

Create DataFrame using tuple list

In [42]:
```
weather_data=[
    ('1/1/2017',32,6,'Rain'),
    ('1/2/2017',35,7,'Sunny'),
    ('1/3/2017',28,2,'Snow')
]
# Don't forget to mention the name of columns
df = pd.DataFrame(weather_data,columns=['day','temperature','windspeed','event'])
df
```

Out[42]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow

Create DataFrame using list of dictionaries

In [44]:
```
weather_data=[
    {'day':'1/1/2017','temperature':32,'windspeed':6,'event':'Rain'},
    {'day':'1/2/2017','temperature':35,'windspeed':7,'event':'Sunny'},
    {'day':'1/3/2017','temperature':28,'windspeed':2,'event':'Snow'},
]

df = pd.DataFrame(weather_data)
df
```

Out[44]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow

Click here for more information about creating different ways of DataFrames (https://pandas.pydata.org/pandas-docs/stable/user_guide/io.html)

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