

Data analysis

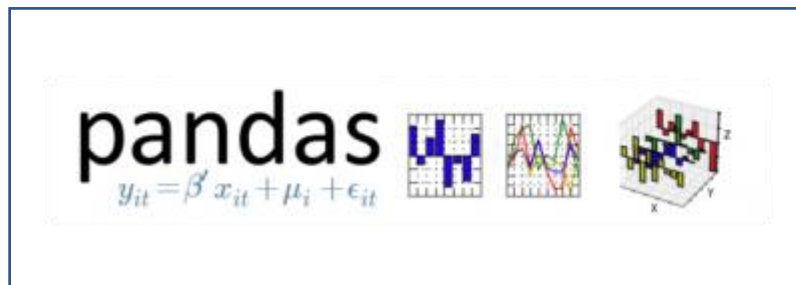
Using Pandas

What is a library?

Prewritten code that users can use to optimize tasks



IP[y]: IPython
Interactive Computing



Pandas(tabular data)

- Clean data

25/7/80 → 7/25/1980

- Explore data

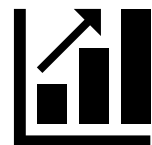
X ↑ Y ↓

- Manipulate data

1		
2		
3		

1		
2		

- Analyze data



2 main Classes

Series(one column)

	Name
0	Bob
1	Tiffany
2	Alex
3	Sam

DataFrame(whole table)

	Name	Age	Zip code
0	Bob	34	12876
1	Tiffany	25	13442
2	Alex	19	146742
3	Sam	46	49008

Class Series

Attributes

Dtypes
Name
Shape
Values

Methods

Head()
Filter()
Fillna()

Class DataFrame

Attributes

Dtypes
Axes
Loc
Values

Methods

Head()
info()
Pop()
Fillna()