Python libraries المكتبات البايثونيّة

Pandas

Saeed Isa

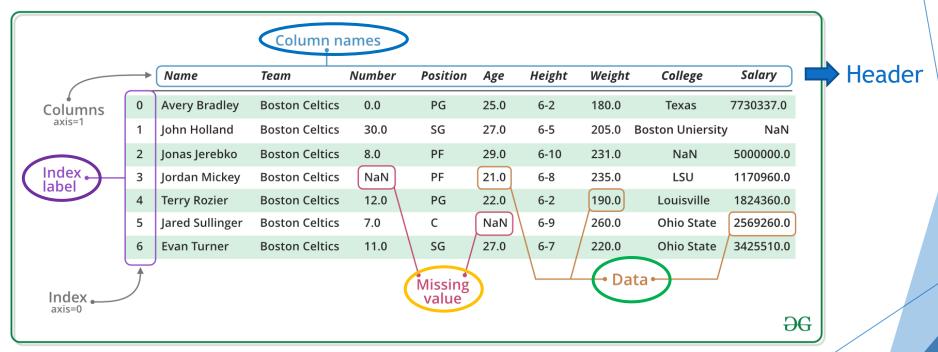
Pandas

- Python Data Analysis library
- Data manipulating, exploring, analyzing and cleaning
- NumPy arrays integration
- Tabular data representation
- Popular in data science



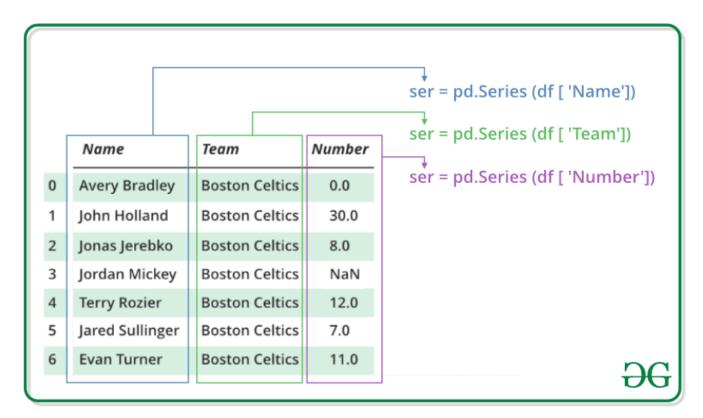
Pandas DataFrame

Pandas main data type



saeed.isa@gmail.com @saeedisa90 / 3

Pandas DataSeries



saeed.isa@gmail.com @saeedisa90

Examples

- Can be instantiated from array, dictionary, csv file, excel, SQL, ...
- Reshaping and pivoting of data sets
- Various libraries uses Pandas DataFrame as data set (bokeh, matplotlib, machine learning algos ...)
- Data set merging and joining
- Group by engine allowing split-apply-combine operations on data sets.

Lets write some examples together ©

saeed.isa@gmail.com @saeedisa90 5



Thank you ©!

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Stay tuned for more!

saeed.isa@gmail.com @saeedisa90