# Python for Data Analytics Learn everything about analytics



#### **Pandas**

**Analytics Vidhya** 

#### Topics to be covered

- Introduction to Pandas
- 2. Why to use Pandas?
- 3. Reading a spreadsheet (CSV and Excel) everything about analytics
- 4. What is DataFrame and its operations?
- 5. Indexing/ Selection in DataFrame
- 6. Column selection, addition and deletion
- 7. Subsetting in DataFrame
- 8. Exporting DataFrame to spreadsheet (CSV and Excel)



## Pandas: Reading a spreadsheet and basic operations

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#### Introduction to Pandas

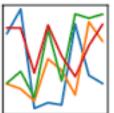
Pandas is powerful python data analysis toolkit for **reading, filtering, manipulating, visualizing** and **exporting** 

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### Why to use Pandas?

Wide range of functionalities such as

- 1. Reading different varieties of data.
- 2. Functions for filtering, selecting and manipulating data
- 3. Plotting data for visualization and exploration purpose.

Learn everything about analytics

Huge contribution and support from the community



# Reading a spreadsheet (CSV and Excel) file

Pandas can help you read data from different types of files

Format Type	Data Description	Reader
text	CSV	read_csv
text	JSON	read_json
text	HTML	read_html
text	Local clipboard	read_clipboard
binary	MS Excel	read_excel
binary	HDF5 Format	read_hdf
binary	Feather Format	read_feather
binary	Msgpack	read_msgpack
binary	Stata	read_stata
binary	SAS	read_sas
binary	Python Pickle Format	read_pickle
SQL	SQL	read_sql
SQL	Google Big Query	read_gbq



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