

## Hands-on Traditional Data analysis and visualization with Python

<b>Days</b>	<b>Topics</b>	<b>Duration (HOUR)</b>
1	Essential Python library	1/2
	Basic data formats Reading and writing	1/2
2	Data wrangling process	1/2
	Cleaning , reshaping, merging and sub setting	1
3	Pivot table ,aggregation , cross tabulation and grouping	1
4	Text data manipulation	1
5	Statistical tests and assumptions	1/2
	Statistical testing with python	1/2
6	Traditional Plotting with python	1
7	Advanced statistical plotting and subplots	1
8	Essential of time series [date data conversion , resampling , moving window functions ]	1
9	Basic classification , regression and clustering using [K-nearest neighbors, linear regression, SVM, K-mean and PCA]	2
10	Full stack python data analysis Project	2

**Total Duration**

**12 hour 30 minute**

**Total fees: \$ 400 (US DOLLAR)**