

Pandas Library

- pandas is a tool for data processing which helps in data analysis.
- It provides functions and methods to efficiently manipulate large datasets
- Data structures in pandas are "Series".

One - dimension array

Series

Two - dimension array

Data Frame

Series is one-dimensional array with labels. it can contain any data type including integers, strings, floats, Python objects and more.

Index	Data
1	"A"
2	"B"
3	"C"

Dataframe is two-dimensional data structure with labels. we can use labels to locate the data.

Column Index (df.columns)			
Row Index (df.Index)	Data	Data	Data