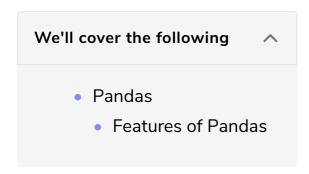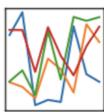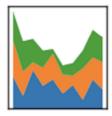# What is Pandas?

This lesson gives an introduction to the Pandas library of Python.

Pandas

Pandas is a Python package developed for data cleaning and manipulation. It provides extended data structures to hold different types of labeled and relational data, which makes it highly flexible and easy to use.

`Pandas` provides the following two objects on which all its operations are performed:

- `Series` : A 1-dimensional table object

- `Dataframe` : A 2-dimensional table object

The `Pandas` package can be imported in your program using the following line of code:

```python
import pandas as pd
```

This command imports all of `pandas` features and functions into our program, which can be accessible with `pd` as its acronym.

Features of `Pandas`

- Provides tools for reading and writing data in data structure objects and files of different formats like **CSV** and **txt**.

- Provides powerful aggregation functions to manipulate data.

- Provides functionality to effectively deal with time-series data.

- Provides high flexibility in operations like **reshaping**, **merging**, **joining**, etc.

In the next lesson, the pandas `Series` object is explained.