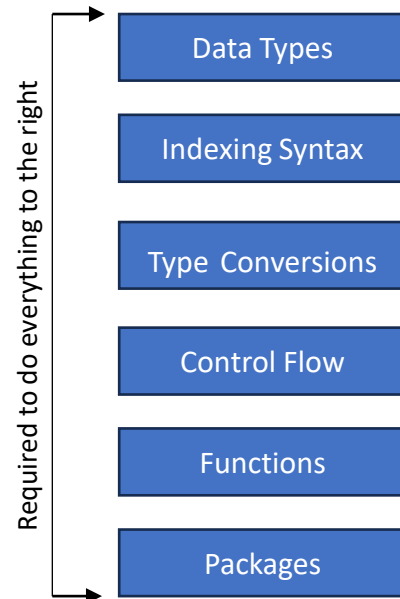


- Week 1 – Python Programming Language

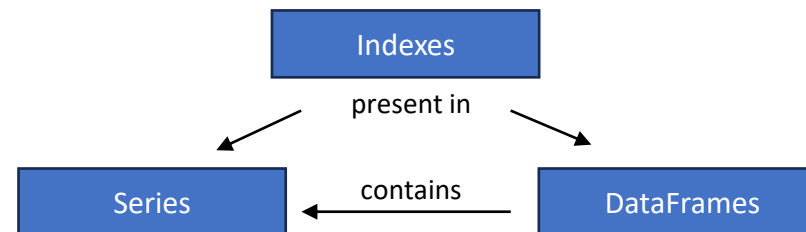
- Week 2 – Pandas (Data Structures)
- Week 4 – DataFrame Manipulation
- Week 5 – Module 2 Continuation – Short Notes on Joins
- Week 6 – Advanced Topics in Data Manipulation

- Week 5 – Plotting with Matplotlib, Pandas and Seaborn
- Week 7 – Advanced Plotting with Seaborn (not tested)

## Module 1- Python Programming Language



## Module 2 – Pandas for Data Manipulation



Each have Their Own:

1. Operation Behaviors
2. Slicing, Indexing, Filtering
3. Properties
4. Methods

We use these to change our data to perform analysis on it.

## Module 3 - Visualizations

3 Ways to Plot

1. Matplotlib
2. Pandas
3. Seaborn

2 Main Objects in Matplotlib

1. Figure (Canvas)
2. Axes (Graph)

There are many plots which show different things:  
For example

1. Histograms => Distribution
2. Scatterplots => Relationships