

Data Science with Python

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Introduction to Python : 8 classes

- Data types- Numbers, Strings ,Printing ,Lists ,Dictionaries ,Booleans ,Tuples,Sets
- Comparison Operators , if, elif, else Statements, for Loops
- range(), list comprehension
- functions, lambda expressions, map and filter

Pandas Library : 6 Classes

- Introduction to Pandas
- Series
- DataFrames
- Missing Data
- GroupBy
- Merging, Joining,and Concatenating
- Pandas built in data Visualisation plots

NumPy Library : 1 class

- Numpy array
- Indexing and Selection
- Operations

Matplotlib , Seaborn Libraries : 3 classes

- Data Visualisation using these 2 libraries
- Various Plots for categorical, numerical data

Project : 1 class

Machine Learning (for advanced course) : 1 class

- Introduction to linear and logistic regression models