

Data Science for Beginners

Module 1: Course Overview

- What is Data Science
- Why we use data science
- Data Science Life cycle
- Data Science Application
- Tools used for Data Science
- Advantages
- Disadvantages

Module 2: Fundamentals

- What is Programming Language
- What is Python
- What are History
- Why should we learn Python
- Python Basics
- Python functions
- Python oops

Module 3: Data Manipulation and Analysis

- Numpy
- Pandas

Module 4: Data Visualization

- Matplotlib
- Seaborn

Module 5: Machine learning

- Introduction
- Types of Machine Learning
- What is Supervised Machine Learning

- Types of Supervised ML
- Supervised Learning Algorithms
- What is Regression
- What is Classification
- What is Unsupervised Machine Learning
- Types of Unsupervised ML
- Unsupervised Learning Algorithms
- What is Reinforcement Machine Learning
- ML Packages

Module 6: Database

- Introduction of SQL
- What is MySQL
- Types in SQL
- Basic of MySQL
- How create Database
- How create Tables
- How Insert the data
- How to delete the data
- How to Access the data
- How to Update the data

Module 7: Conclusion