

# PYTHON For Data Analytics Complete Roadmap

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## Python Tutorials

- 1) [Is Python Really Needed For a Data Analyst Job? \(youtube.com\)](#)
- 2) [Session 1 - Python Fundamentals | CampusX Data Science Mentorship Program | 7th Nov 2022 \(youtube.com\)](#)
- 3) [Session 2 - Operators + If-Else + Loops | CampusX Data Science Mentorship Program | 8th Nov 2022 \(youtube.com\)](#)
- 4) [Session 3 - Python Strings | CampusX Data Science Mentorship Program | 9th Nov 2022 \(youtube.com\)](#)
- 5) [Programming Problems on Strings | Session 3 Supplementary Session - YouTube](#)
- 6) [Session 4 - Lists in Python | Data Science Mentorship Program\(DSMP\) 2022-23 - YouTube](#)
- 7) [Session 5 - Tuples + Sets + Dictionary | Data Science Mentorship Program\(DSMP\) 2022-23 - YouTube](#)
- 8) [Session 6 - Functions in Python | Data Science Mentorship Program\(DSMP\) 2022-23 - YouTube](#)

## Python Documentation

- 1) [The Python Tutorial — Python 3.12.5 documentation](#)
- 2) [Python Tutorial | Learn Python Programming - GeeksforGeeks](#)
- 3) [Python Tutorial \(w3schools.com\)](#)
- 4) [Python Tutorial \(tutorialspoint.com\)](#)
- 5) [Learn Python - Free Interactive Python Tutorial](#)

## NumPy Tutorials

- 1) [Session 13 - Numpy Fundamentals | Data Science Mentorship Program \(DSMP\) 2022-23 | Free Session \(youtube.com\)](#)
- 2) [Session 14 - Advanced Numpy | Data Science Mentorship Program \(DSMP\) 2022-23 | Free Session \(youtube.com\)](#)
- 3) [Session 15 - Numpy Tricks | Data Science Mentorship Program \(DSMP\) 2022-23 | Free Session \(youtube.com\)](#)

## NumPy Documentation

- 1) [What is NumPy? — NumPy v2.0 Manual](#)
- 2) [Introduction to NumPy \(w3schools.com\)](#)
- 3) [NumPy Tutorial \(geeksforgeeks.org\)](#)
- 4) [NumPy Tutorial \(tutorialspoint.com\)](#)
- 5) [Numpy Arrays - Learn Python - Free Interactive Python Tutorial](#)

## Pandas Tutorials

- 1) [Session 16 - Pandas Series | Data Science Mentorship Program \(DSMP\) 2022-23 | Free Session - YouTube](#)
- 2) [Session 17 - Pandas DataFrame | Data Science Mentorship Program \(DSMP\) 2022-23 | Free Session \(youtube.com\)](#)
- 3) [Important Series Methods | Supplementary Session | DSMP 2022-23 \(youtube.com\)](#)
- 4) [Session 18 - Important DataFrame Methods | Data Science Mentorship Program \(DSMP\) 2022-23 \(youtube.com\)](#)
- 5) [Session 19 - GroupBy Object in Pandas | Data Science Mentorship Program \(DSMP\) 2022-23 \(youtube.com\)](#)
- 6) [Session 20 - Merging, Joining & Concatenating | DSMP 2022-23 - YouTube](#)
- 7) [Session 21 - MultiIndex Series and DataFrames | DSMP 2022-23 - YouTube](#)
- 8) [Session 22 - Vectorized String Operations | DateTime in Pandas | Pivot Table | DSMP 2022-23 \(youtube.com\)](#)

## Pandas Documentation

- 1) [10 minutes to pandas — pandas 2.2.2 documentation \(pydata.org\)](#)
- 2) [Getting started — pandas 2.2.2 documentation \(pydata.org\)](#)
- 3) [Pandas Introduction - GeeksforGeeks](#)
- 4) [Pandas Tutorial \(w3schools.com\)](#)
- 5) [Pandas Basics - Learn Python - Free Interactive Python Tutorial](#)