

<b>Session 1</b>	<b>4 h</b>
<b>Section 1 (Introduction to Python)</b>	<b>2 h</b>
Installing and using python	20 min
Data Structures	10 min
Conditional Code	30 min
Loops and Iterations	30 min
Exercise	30 min
<b>Section 2</b>	<b>2 h</b>
Functions	20 min
Files (read, scan and process real data)	30 min
Exception Handling	10 min
Exercise	30 min
Q/A	30 min
<b>Session 2</b>	<b>3 h 40 min</b>
<b>Section 1</b>	<b>1 h 10 min</b>
Clean code concepts	10 min
Classes in python	30 min
Exercise	30 min
<b>Section 2 (Data Manipulation)</b>	<b>2 h 30 min</b>
Introduction to pandas library and DataFrame	10 min
Creating a DataFrame	10 min
Reading a DataFrame	10 min
Update data in a DataFrame	10 min
Handling missing data	20 min
Delete data from a DataFrame	10 min
Slicing and Filtering	10 min
Replacing and thresholding	10 min
Group, Aggregate and summarizing data	20 min
Joining DataFrames	10 min
Exercise	30 min
Q/A	30min
<b>Session 3</b>	<b>4 h 30 min</b>
<b>Section 1</b>	<b>2 h</b>
Data Visualization	1h 30 min
Exercise	30 min
<b>Section 2</b>	<b>2 h 30 min</b>
Simple Statistical methods in python	1h 30 min
Exercise	30 min
Q/A	30 min
<b>Session 4 (Neuroimaging in Python)</b>	<b>4 h 30 min</b>
<b>Section 1</b>	<b>2 h 30 min</b>
Introduction to Nibabel	30 min
Introduction to Nilearn	1 h
Brain Visualization in python	30 min
Exercise	30 min
<b>Section 2</b>	<b>2 h</b>
Introduction to fsfpy	15 min
simple analysis with fsfpy	45 min
Exercise	30 min
Q/A	30 min