

DATA SCIENCE IMMERSIVE (WEEKEND VIRSION)

	Study Plan
Day 1 10.00am – 6.00pm	<ul style="list-style-type: none"> • Variables • Built-in data types: strings, integers, floats, lists • Introduction to built-in functions • Control flow statements • If, Elif, Else statements • Definite loops: For loops • Practical exercises
Day 2 10.00am – 6.00pm	<ul style="list-style-type: none"> • How to write custom Python functions • Built-In data types: tuples, dictionaries • Indefinite loops: While loops • Indexing and slicing • Reading data from CSV and TXT Files • Writing to CSV and TXT Files • Analyzing a file's content • Practical exercises
Day 3 10.00am – 6.00pm	<ul style="list-style-type: none"> • Scientific computing with Python • NumPy arrays • Creating and manipulating NumPy arrays • Computation on NumPy arrays • Pandas Series and DataFrame • Aggregating data in Pandas • Data Indexing and Selection • Logic, Control Flow and Filtering in Pandas • Practical exercises
Day 4 10.00am – 6.00pm	<ul style="list-style-type: none"> • Grouping by for analytics • Combining datasets and Merging datasets • Hierarchical indexing • Handling missing data • Visualization with Matplotlib • Line Plots, Scatter Plots and Histograms • Customizing Plots • Q&A