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Python for Data Science Syllabus	
	Study Plan
Session 1	<ul style="list-style-type: none">• Variables• Data types: strings, integers, floats, lists• Mutability• Control Flow statements• If statements• For loops• Practical Exercises
Session 2	<ul style="list-style-type: none">• Functions• Data types: tuples, dictionaries, sets• While loops• Indexing and slicing• Reading from CSV and TXT Files• Writing to CSV and TXT Files• Analyzing a File's content• Practical Exercises
Session 3	<ul style="list-style-type: none">• Scientific computing with Python• NumPy Arrays• Creating and manipulating NumPy Arrays• Computation on NumPy Arrays• Broadcasting and UFuncs• Sorting and Indexing NumPy Arrays• Practical Exercises
Session 4	<ul style="list-style-type: none">• Python Data Analysis Library - Pandas• Pandas Data structures• Aggregating data in Pandas• Data Indexing and Selection• Logic, Control Flow and Filtering in Pandas• Aggregation and Grouping• High-Performance Pandas• Visualization with Matplotlib• Line Plots, Scatter Plots and Histograms

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| | <ul style="list-style-type: none">• Customizing Plots• Multiple Subplots• Density and Contour Plots |
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