

Lecture 19, 21 October 2025

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Programming and Data Structures with Python

Pandas

Python libraries

Numpy - arrays, operations on them

homogeneous

n-dim arrays



Pandas - tables - 2D

Built on Numpy

Tables in Pandas

Name	Gender	DoB	--	
Col #0	Col #1	Col #2	Col #3	Col #4
Variation				
Uniform type				

Tables

Unit is a column - 1D Numpy array

Series 1D array in Pandas = Column

Data Frame Sequence of columns
- All of same length