Google-DGC METU

Al Modules

Presented by AI/ML Team

Week-2



- Numpy basics
- Pandas basics
- Matplotlib basics
- TensorFlow basics

Why NUMPY?

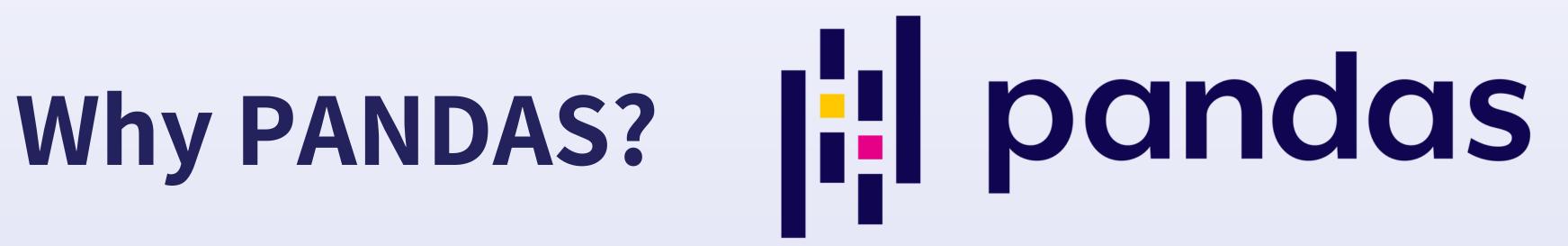


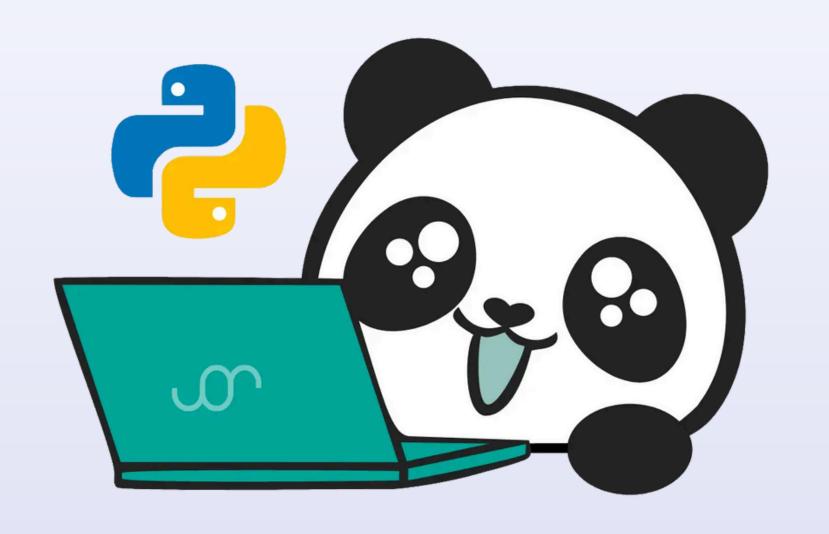


- Creating Arrays
- Array Attributes
- Array Reshaping
- Array Indexing

- Array Slicing
- Array Operations
- Common Functions
- Linear Algebra

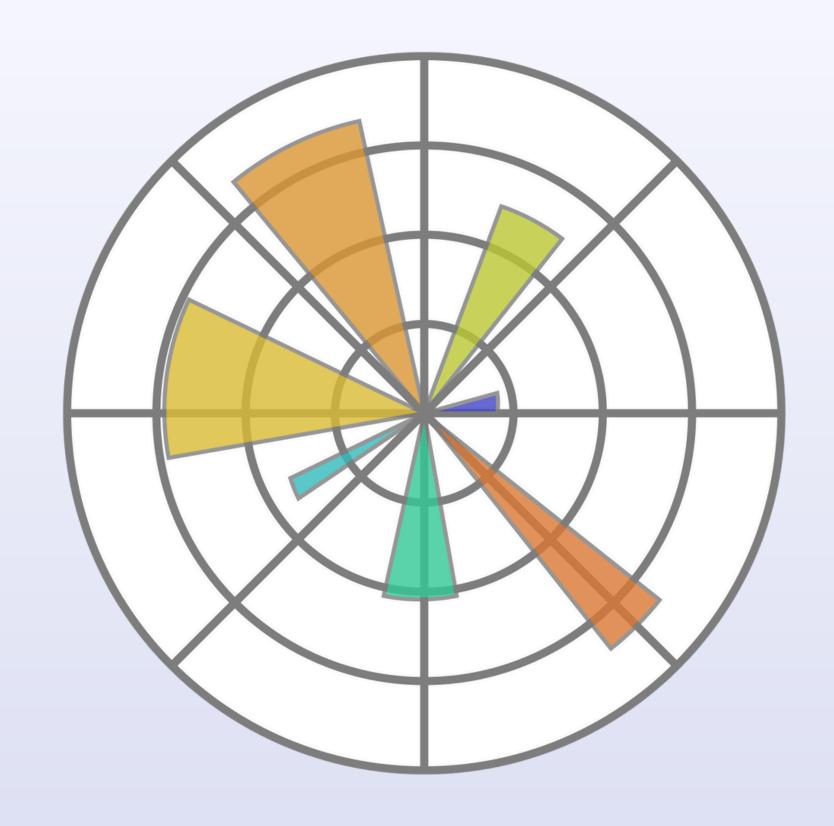






- Creating DataFrames
- Data Selection
- Data Manipulation
- Inplace
- Handling Missing Data
- Convert to Numpy

Why MATPLOTLIB?





- Plotting
- Subplots
- DataFrame.plot()

Why TensorFlow?







- History of TF
- PyTorch vs TensorFlow
- Tensors

Tensors

 Scalar
 Vector
 Matrix
 Tensor

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Tensors

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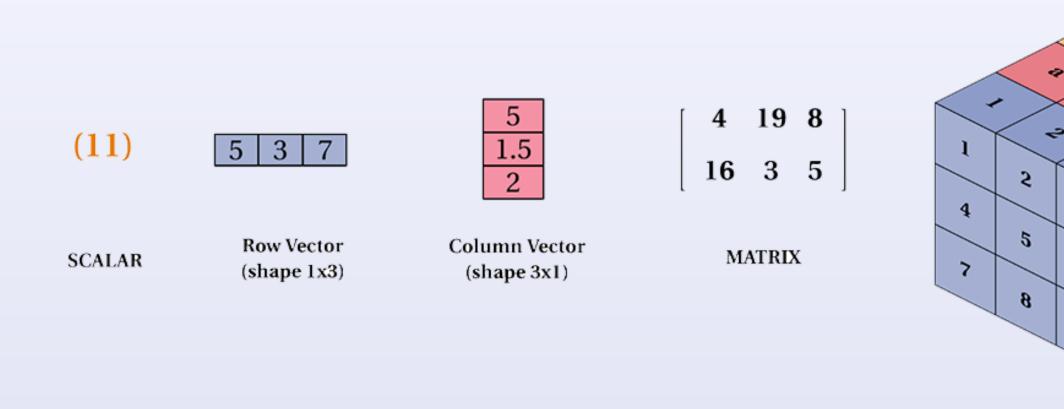
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TENSOR

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- Creating a Tensor
- Tensor Attributes
- Reshaping and Casting
- Manipulating Tensors
- Tensor Operations





