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Introduction to Python

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Basic Python

Python Tutorial

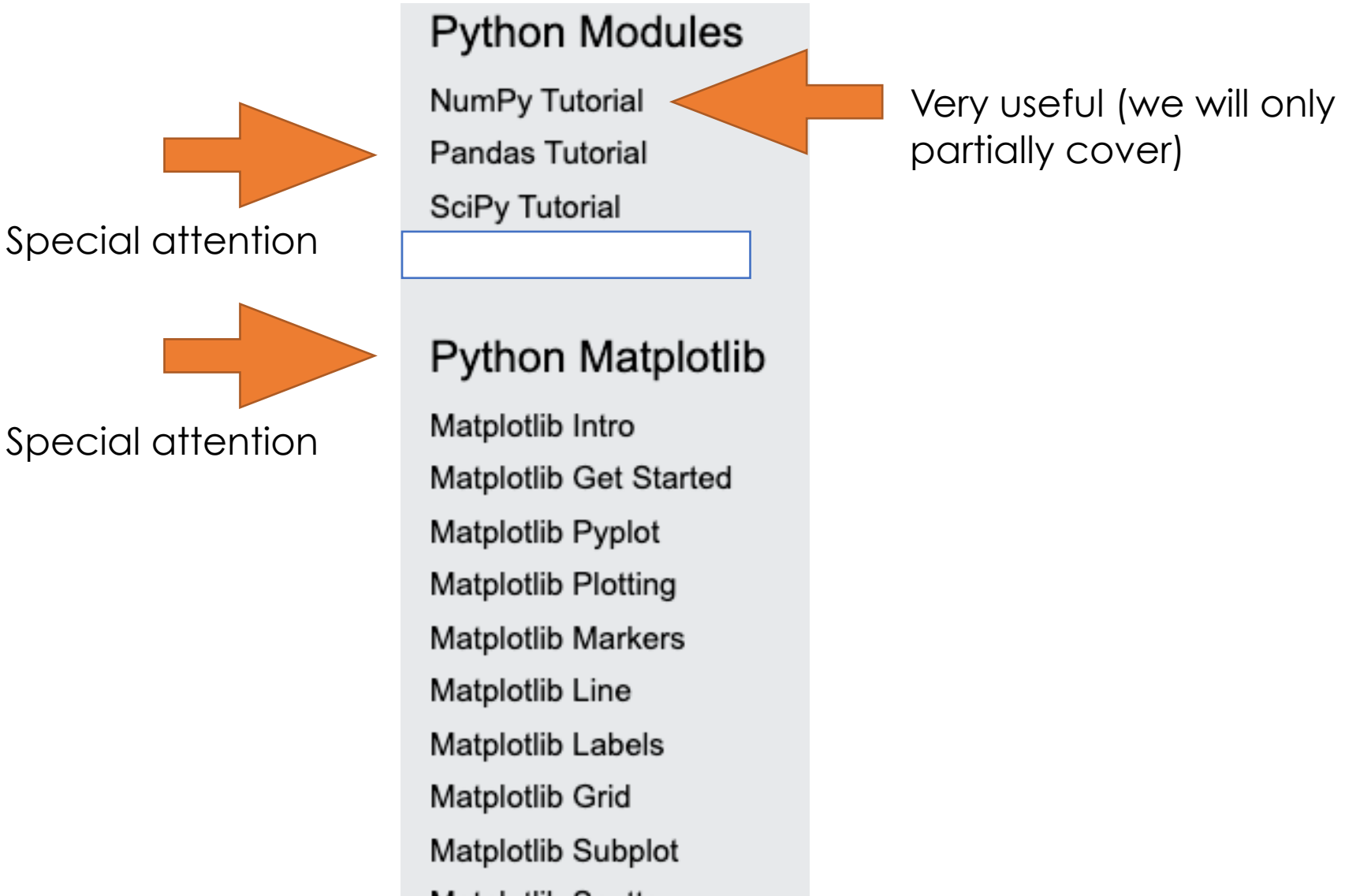
Python HOME
Python Intro
Python Get Started
Python Syntax
Python Comments
Python Variables
Python Data Types
Python Numbers
Python Casting
Python Strings
Python Booleans
Python Operators
Python Lists
Python Tuples
Python Sets
Python Dictionaries
Python If...Else
Python While Loops
Python For Loops
Python Functions
Python Lambda
Python Arrays
Python Classes/Objects
Python Inheritance
Python Iterators
Python Polymorphism
Python Scope
Python Modules
Python Dates
Python Math
Python JSON
Python RegEx
Python PIP
Python Try...Except
Python User Input
Python String Formatting

File Handling

Python File Handling
Python Read Files
Python Write/Create Files
Python Delete Files

https://www.w3schools.com/python/

We will specifically cover



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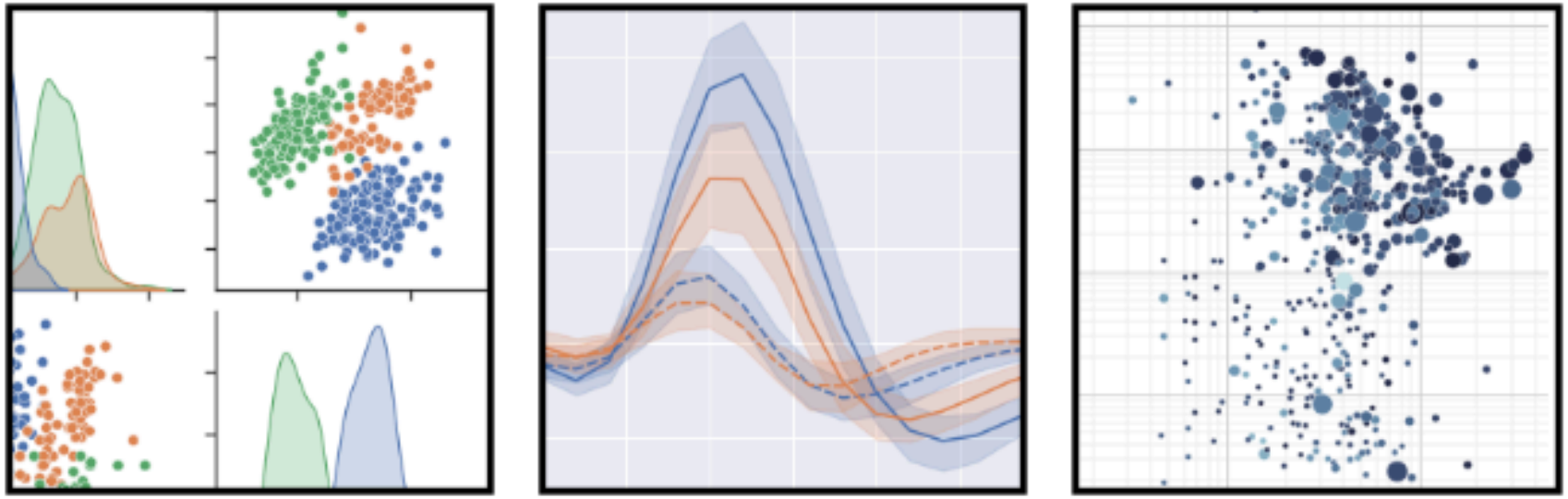
Jupyter Notebooks

- https://www.dataquest.io/blog/jupyter-notebook-tutorial/

Then We will see Seaborn

seaborn: statistical data visualization



Seaborn is a Python data visualization library based on matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics.

For a brief introduction to the ideas behind the library, you can read the introductory notes or
Visit the installation page to see how you can download the package and get
e the example gallery to see some of the things that you can do

https://seaborn.pydata.org/index.html

https://seaborn.pydata.org/tutorial/introduction.html

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Suggested readings

- We will initially mostly work with
  - csv files
  - json structures/files
- but the connection to databases is very important

Python MySQL

MySQL Get Started
MySQL Create Database
MySQL Create Table
MySQL Insert
MySQL Select
MySQL Where
MySQL Order By
MySQL Delete
MySQL Drop Table
MySQL Update
MySQL Limit
MySQL Join

Python MongoDB

MongoDB Get Started
MongoDB Create Database
MongoDB Create Collection
MongoDB Insert
MongoDB Find
MongoDB Query
MongoDB Sort
MongoDB Delete