Python IV - Lesson 21

Date: Nov 20, 2022

Agenda

- Google Colab
- Numpy
- Matplotlib
- CCC questions



Proverbs 4:6

" Do not forsake wisdom, and she will protect you; love her, and she will watch over you."

Review + Homework

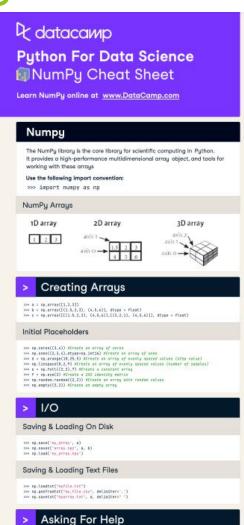
https://colab.research.google.com/drive/1pv01IEzF1oflxorgvvQGkuAM9-h6sdvw#scrollTo=3qIvoCTvIqdj

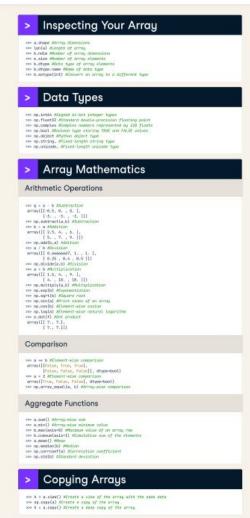
Numpy and Matplotlib

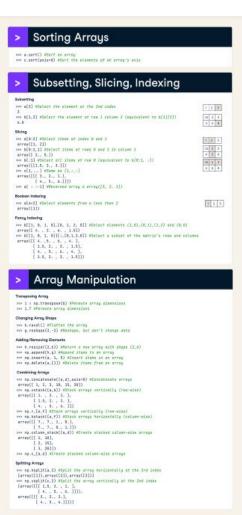
- NumPy (Numerical Python) is a powerful, and extensively used, library for storage and calculations. It is designed for dealing with numerical data. It allows data storage and calculations by providing data structures, algorithms, and other useful utilities. For example, this library contains basic linear algebra functions, Fourier transforms, and advanced random number capabilities. It can also be used to load data to Python and export from it.
- Matplotlib is widely used for data visualization like for plotting histograms, line plots, and heat plots.

Let's explore more in Colab!

Numpy Cheatsheet









CCC questions

Introduction:

https://cemc.uwaterloo.ca/contests/computing/details.html

Past contests:

https://www.cemc.uwaterloo.ca/contests/past_contests.html