

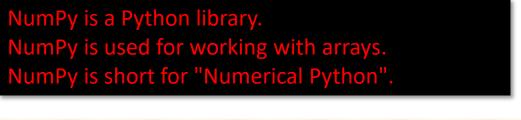
Artificial Intelligence (Machine Learning & Deep Learning)
[Course]

Week 3 - Day 3 n Day 4 - Numpy [See examples / code in GitHub code repository]

It is not about Theory, it is 20% Theory and 80% Practical – Technical/Development/Programming [Mostly Python based]

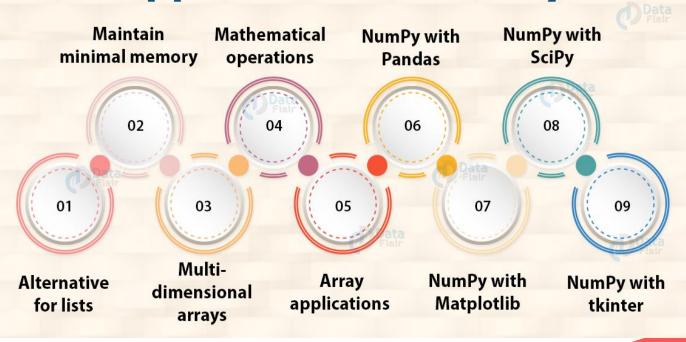
# **Numpy - Overview**







# **Applications of NumPy**

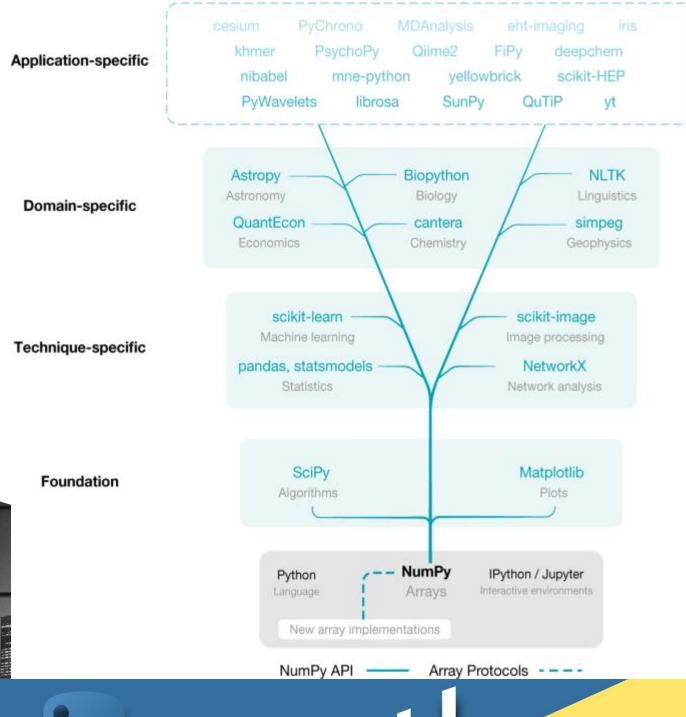




S python

# Numpy - Overview 2

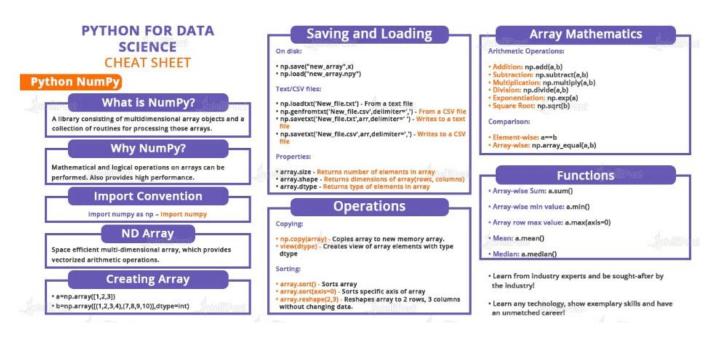






#### Numpy - cheat sheets





#### **Python NumPy Cheat Sheet**

https://intellipaat.com/blog/tutorial/python-tutorial/numpy-cheat-sheet/

https://intellipaat.com/blog/wp-content/uploads/2022/10/Python-Numpy-Cheat-Sheet-2022.pdf



### **Numpy - Exercises**



See code here: <a href="https://github.com/ShahzadSarwar10/AI-ML-Explorer">https://github.com/ShahzadSarwar10/AI-ML-Explorer</a>

You should be able to analyze — each code statement, you should be able to see trace information — at each step of debugging. "DEBUGGING IS BEST STRATEGY TO LEARN A LANAGUAGE." So debug code files, line by line, analyze the values of variable — changing at each code statement. BEST STRATEGY TO LEARN DEEP.

Let's put best efforts.

Thanks.

Shahzad – Your Al – ML Instructor





# Thank you - for listening and participating

**□**Questions / Queries

**□**Suggestions/Recommendation

□Ideas.....?

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