

Table of Contents

1. Python basics
 - A. Introduction
 - B. Data types
 - C. Operators & control statements
 - D. Functions
2. Python advanced
 - A. Higher order functions
 - B. Class and object
3. Maths I - linear algebra
 - A. Introduction
 - B. Hyperplane
 - C. Matrix operations
4. Maths II - statistics
 - A. Introduction
 - B. Descriptive statistics
 - C. Inferential statistics
 - D. Other terms
5. Maths III - probability
 - A. Introduction
 - B. Random variable
 - C. Probability distribution
 - D. Other terms
5. Libraries
 - A. Numpy
 - B. Pandas
 - C. Matplotlib
 - D. Seaborn
6. Machine learning I
 - A. Introduction
 - B. Data cleaning
 - C. Feature scaling
 - D. Data splitting
7. Machine learning II
8. Machine learning III
9. Deep learning I
10. Deep learning II
11. Deep learning III