

MACHINE LEARNING ALGORITHMS | AAIM

PRACTICE EXERCISES 1.1

GOALS:

- Jupyter Notebooks
- Python essential

Prepare a new jupyter notebook to develop all the necessary steps to support this exercise:

1. Controlling your operating system: current directory; change directory; copy files; renaming files.
2. Python:
 - Create variables; using variables; output variables values;
 - Using loops (for, while)
 - Defining functions and use it
 - Creating modules with functions and use it
3. Python OOP
 - Create a class Person with name and age
 - Create properties for their attributes
 - Create instance methods
4. Python and DataScience
 - Read csv file
 - Export to csv file
5. Python and DataScience.
 - Create a series of data
 - Create a dataframe from a csv
 - Create a synthetic dataframe using Faker module
 - Analyse the dataframe: axes, columns, number of registers, etc.

Solution: 1_DataSets_Essential.ipynb

Enjoy

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