

MACHINE LEARNING WITH PYTHON

LEVELS OF PROGRAMMING:

- 1.Binary level/Machine Level/Low level
- 2.Assembly Level/Mid level
- 3.High level

PYTHON: Python is a high level,interpreted,object oriented,dynamically-typed,indented programming language.

FEATURES:

- 1.Simple Syntax
- 2.Open Source
- 3.Libraries
- 4.Supports all kinds of development
- 5.Less Memory
- 6.Platform Independent

Saving Extension – For python files the saving extension is .py, these files can be opened in all python IDEs including jupyter notebook.

For jupyter notebook the saving extension is .ipynb, these files can be opened in jupyter notebook,vscode,google colab.

JUPYTER NOTEBOOK:

CELLS:

- 1.Code cell- Used to write code.
- 2.Markdown-To store content and to give headings(only text will be displayed in output)
- 3.Raw-Used to store text and the output will be in cell box.

COMMENTS: It is a part of code but it won't take any place in extension.

Types of Comments:

1.Single line Comment: #

#this is my first comment

2.Multi line Comment: ' ' ' ' or " " " " "

KEYWORDS: They are special reserved words that have special meaning and can't be used as identifiers(variables,function names etc).

Examples: True,False,Try,For,Else,Pass etc

DATA TYPES: It mentions what type of data it is.

Example : int,float,bool,complex

Sequence data types(data structures)-list,tuple,set,dict,str.