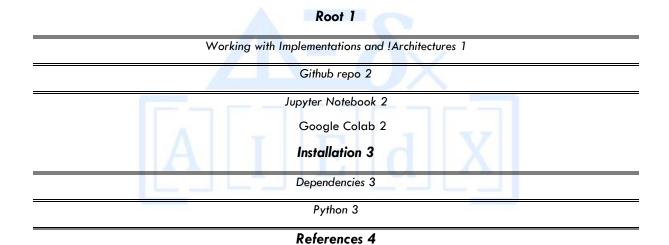


CHOCOLATE CHIP MUFFIN: PROGRAMMING BASICS FOR MACHINE LEARNING



ROOT



WORKING WITH IMPLEMENTATIONS AND !ARCHITECTURES

The Great chocolate chip muffin problem

Hi There I would like to buy a chocolate chip muffin

Baker gives me this

I was expecting this

(Chocolate muffin with chips)

(Regular muffin with chips)











Both types of muffin can be considered as "Chocolate Chip Muffin". They are both implementation of a great original idea. (I Still think my choice is correct)

In Computer Engineering we work with implementations of programming language (not language itself)

In machine learning (data engineering) we work with implementation of model/architecture not (SOTA) architecture itself.

Unless of course you are yourself trying to improve the language/framework or architecture or contributing to it in some form.

GITHUB REPO

https://github.com/AIEdX

JUPYTER NOTEBOOK

Jupyter (IPython) notebook files are simple JSON documents, containing text, source code, rich media output, and metadata. Each segment of the document is stored in a cell.[1]

Advantages

- Interleave Code and Comment cell.
- Great to showcase proof of concepts or demonstration of experimental setup.
- Can create complete book style lessons for education with theory and code in same notebook.
- Runs in a browser and it's easy to share notebooks.
- Great for instant and shallow debugging.
- Its not an IDE (Integrated Development Environment)

Disadvantages

Its not an IDE (Integrated Development Environment)!

GOOGLE COLAB

Alternatives

- Paperspace
- Amazon SageMaker
- Kaggle







Many More!!!!!

INSTALLATION

DEPENDENCIES

PYTHON

Adding Path using existing script

```
win_add2path.py - C:\Python27\Tools\Scripts\win_add2path.py (2.7.17)
                                                                                                               Python 2.7.17 Shell
File Edit Format Run Options Window Help
                                                                                                               This is a simple script to add Python to the Windows search p modifies the current user (HKCU) tree of the registry.
Copyright (c) 2008 by Christian Heimes <christian@cheimes.de>
Licensed to PSF under a Contributor Agreement.
                                                                                                                    ======= RESTART: C:\Python27\Tools\Scripts\win_add2path.py ======
                                                                                                                Path(s) added:
C:\Python27
C:\Python27\Scripts
                                                                                                               PATH is C:\Users
import _winreg
HKCU = _winreg.HKEY_CURRENT_USER
ENV = "Environment"
PATH = "PATH"
DEFAULT = u"*PATH*"
                                                                                                               Expanded C:\Users
def modify():
    pythonpath = os.path.dirname(os.path.normpath(sys.executab)
    scripts = os.path.join(pythonpath, "Scripts")
    appdata = os.environ("AFPDATA")
    if hasattr(sit, "USER_SITE"):
        userpath = site.USER_SITE.replace(appdata, "%APPDATA%")
        userscripts = os.path.join(userpath, "Scripts")
    else:
      else:
             userscripts = None
      with _winreg.CreateKey(HKCU, ENV) as key:
    try:
             envpath = _winreg.QueryValueEx(key, PATH)[0]
except WindowsError:
envpath = DEFAULT
            paths = [envpath]
for path in (pythonpath, scripts, userscripts):
    if path and path not in envpath and os.path.isdir(p
        paths.append(path)
```







REFERENCES

[1] Jupyter Notebook. (n.d.). Retrieved from https://nbformat.readthedocs.io/en/latest/

