

Jupyter notebook on venv!

まず仮想環境を作って、activateします。

<https://stackoverflow.com/questions/42635310/remove-kernel-on-jupyter-notebook>

<https://github.com/jupyter/notebook/issues/3481>

It's very important to remove kernel, otherwise, it brakes

```
$ python -m venv projectname  
$ source projectname/bin/activate
```

To use new notebook in other directory, need to delete all previous kernels including python3, then create new kernel

次に仮想環境上でipykernelをインストールします。

```
(projectname)$ pip install ipykernel
```



その後jupyterにカーネルを追加します。

```
(projectname)$ ipython kernel install --user --name=projectname
```

これでjupyter notebookを開くと、KernelタブのChenge kernelメニューにprojectnameが追加されていると思うので、それを選択すればOKです！

Desktop/PMP_distance/PMP_dis

PMP_distance

localhost:8888/notebooks/Desktop/PMP_distance/PMP_distance/PMP_distance.ipynb#

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TrustedPMP_distance

InterruptRestartRestart & Clear OutputRestart & Run AllReconnectShutdownChange kernel

PMP_distancePython 3TF_and_Keras

5. Calculate the distance

Using this representation

And it's suitable for patter

pattern we can find similar

Here I used LightGBM, be

Let's code the solution!

Load Everything

```
In [1]: 1 %matplotlib inline
2
3
4 import pandas as pd
5 import numpy as np
6
7 import math
8 import gc
9 import copy
10
11 from sklearn.model_selection import KFold, train_test_split
12 from sklearn.metrics import mean_absolute_error
13
```