Notebook

March 2, 2020

1 Installing an external library on the UI systems

It's a bit difficult to install libraries to make them usable with jupyter notebooks in general; it's slightly more difficult to make it work in a permission-controlled environment. However, if you want to try my plottyprint library for problem set 2 (which has the advantage of being easy to use), here's some code to try.

First try the code in the first cell below, and then *close and halt the kernel* and start a new notebook, and see if you can `import plottyprint`.

If that doesn't work, try the same procedure but with the code in the second cell below.

If *that* doesn't work, go back to the main screen of the notebooks setup, and start a new *terminal window* rather than a new notebook. In the terminal window, type `pip install --user plottyprint` and then see if it works in a new notebook.

```
In [7]: import sys
        !{sys.executable} -m pip install --user plottyprint

Requirement already satisfied: plottyprint in ./.local/lib/python3.7/site-packages (0.1)
Requirement already satisfied: statsmodels in /opt/conda/lib/python3.7/site-packages (from plott
Requirement already satisfied: matplotlib>=2.1.1 in /opt/conda/lib/python3.7/site-packages (from
Requirement already satisfied: numpy in /opt/conda/lib/python3.7/site-packages (from plottyprint
Requirement already satisfied: scipy in /opt/conda/lib/python3.7/site-packages (from plottyprint
Requirement already satisfied: pandas>=0.19 in /opt/conda/lib/python3.7/site-packages (from stat
Requirement already satisfied: patsy>=0.4.0 in /opt/conda/lib/python3.7/site-packages (from stat
Requirement already satisfied: python-dateutil>=2.1 in /opt/conda/lib/python3.7/site-packages (f
Requirement already satisfied: kiwisolver>=1.0.1 in /opt/conda/lib/python3.7/site-packages (from
Requirement already satisfied: cycler>=0.10 in /opt/conda/lib/python3.7/site-packages (from matp
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /opt/conda/lib/python
Requirement already satisfied: pytz>=2017.2 in /opt/conda/lib/python3.7/site-packages (from pand
Requirement already satisfied: six in /opt/conda/lib/python3.7/site-packages (from patsy>=0.4.0-
Requirement already satisfied: setuptools in /opt/conda/lib/python3.7/site-packages (from kiwiso


In [2]: !pip install --user plottyprint

Collecting plottyprint
  Using cached https://files.pythonhosted.org/packages/92/25/30d42a989117df1945ec4c15b676347f48e
Requirement already satisfied: scipy in /opt/conda/lib/python3.7/site-packages (from plottyprint
Requirement already satisfied: numpy in /opt/conda/lib/python3.7/site-packages (from plottyprint
```

```
Requirement already satisfied: matplotlib>=2.1.1 in /opt/conda/lib/python3.7/site-packages (from
Requirement already satisfied: statsmodels in /opt/conda/lib/python3.7/site-packages (from plott
Requirement already satisfied: cycler>=0.10 in /opt/conda/lib/python3.7/site-packages (from matp
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /opt/conda/lib/python
Requirement already satisfied: kiwisolver>=1.0.1 in /opt/conda/lib/python3.7/site-packages (from
Requirement already satisfied: python-dateutil>=2.1 in /opt/conda/lib/python3.7/site-packages (f
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Requirement already satisfied: patsy>=0.4.0 in /opt/conda/lib/python3.7/site-packages (from stat
Requirement already satisfied: six in /opt/conda/lib/python3.7/site-packages (from cycler>=0.10-
Requirement already satisfied: setuptools in /opt/conda/lib/python3.7/site-packages (from kiwiso
Requirement already satisfied: pytz>=2017.2 in /opt/conda/lib/python3.7/site-packages (from pand
Installing collected packages: plottyprint
Successfully installed plottyprint-0.1
```

In [ ]:

In [ ]: