

jupyter

April 8, 2020

1 Introdução

A partir do post *How to Git Jupyter Notebooks the Right Way*, compreendi que é a partir da instalação do package *nbstripout* que é possível fazer o git de arquivos *ipynb*.

Em uma tentativa de exportar para pdf, tive problemas. Não exportava.

Descobri que é necessário ter o `sudo apt-get install texlive-xetex texlive-fonts-recommended texlive-generic-recommended` ou `sudo apt-get install texlive-full`

nbconvert failed: xelatex not found on PATH, if you have not installed xelatex you may need to do so. Find further instructions at <https://nbconvert.readthedocs.io/en/latest/install.html#installing-tex>.

2 Get Jupyter Notebook filename

<https://stackoverflow.com/questions/12544056/how-do-i-get-the-current-ipython-jupyter-notebook-name>

```
[1]: %run '../codes/files/create_folders.py'
```

```
[2]: %%javascript

var kernel = IPython.notebook.kernel;
var body = document.body, attribs = body.attributes;
var command = 'ipynb_filename = ' + '"' + attribs['data-notebook-name'].value + '"';
kernel.execute(command);
```

<IPython.core.display.Javascript object>

```
[3]: ipynb_filename
```

```
[3]: 'jupyter.ipynb'
```

```
[4]: # %load '../codes/files/get_jupyternotebook_name.py'
def get_jupyternotebook_name():
    """
    Returns the name of the current notebook as a string
    From https://mail.scipy.org/pipermail/ipython-dev/2014-June/014096.html
    :return: Returns the name of the current notebook as a string
```

```

"""
# Import Packages
from IPython.core.display import Javascript
from IPython.display import display

display(Javascript('IPython.notebook.kernel.execute("theNotebook = " + \
"\'"+IPython.notebook.notebook_name+"\'");'))

# Result
return theNotebook

```

[5]: `get_jupyternotebook_name()`

<IPython.core.display.Javascript object>

```

↳ -----
↳
NameError                                Traceback (most recent call↳
↳last)

<ipython-input-5-0fd729895b36> in <module>
----> 1 get_jupyternotebook_name()

<ipython-input-4-440559a4d7cf> in get_jupyternotebook_name()
    14
    15     # Result
---> 16     return theNotebook

NameError: name 'theNotebook' is not defined

```

[6]: `%%javascript`

```

var kernel = IPython.notebook.kernel;
var nb = IPython.notebook;
var command = 'ipynb_pathname = "' + nb.base_url + nb.notebook_path + "'';
kernel.execute(command);

```

<IPython.core.display.Javascript object>

[7]: `ipynb_pathname`

```
[7]: '/package_jupyter/jupyter.ipynb'
```

3 Export

```
[9]: %run '../codes/files/export_jupyter.py'

export_jupyter(ipynb_filename, '', ['html', 'markdown', 'pdf', 'python'], False)
```

Arquivo jupyter.ipynb exportado corretamente para o formato html sem usar prefixo da data.

Arquivo jupyter.ipynb exportado corretamente para o formato markdown sem usar prefixo da data.

Arquivo jupyter.ipynb exportado corretamente para o formato pdf sem usar prefixo da data.

Arquivo jupyter.ipynb exportado corretamente para o formato python sem usar prefixo da data.

Quero saber como exportar somente algumas células. <https://stackoverflow.com/questions/57701538/jupyter-notebook-nbconvert-without-magic-commands-w-o-markdown>

4 GitHub

```
[10]: %run '../codes/git/update_github.py'
```

```
[14]: git_full('/home/michel/Geodata/SourceCode/package_jupyter', '.', 'Atualizando')
```

```
b'' b''
b'[master 3b09637] Atualizando\n 1 file changed, 370 deletions(-)\n delete mode
100644 .ipynb_checkpoints/jupyter-checkpoint.ipynb\n' b''
b'' b'To github.com:michelmetran/package_jupyter.git\n   19645a5..3b09637
master -> master\n'
Done!!
```

5 Outros

```
[ ]:
```

```
[ ]: import os
os.system('jupyter-nbconvert --to python jupyter.ipynb --stdout_
↪--TemplateExporter.exclude_input_prompt=True')
```

```
[ ]: import os
os.system('nbstripout --install --attributes .gitattributes')
```

```
[ ]: !git add --all  
      !git commit -m "Initial commit"  
      !git push -u origin master
```

6 Referências

A partir do post *Jupyter Notebook Extensions*.

A partir do post *28 Jupyter Notebook Tips, Tricks, and Shortcuts*,