jupyter

April 8, 2020

1 Introdução

A partir do post **How to Git Jupyter Notebooks the Right Way**, compreendi que é a partir da instalaçao 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

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

```
ERROR:root:File `'../codes/files/create_folders.py'` not found.
```

```
[25]: %%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>
```

```
[26]: ipynb_filename
```

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

```
[27]: # %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
```

[28]: `get_jupyternotebook_name()`

```
<IPython.core.display.Javascript object>
```

[28]: `'jupyter.ipynb'`

[29]:
```
%%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>
```

[30]: `ipynb_pathname`

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

3   Export

[32]:
```
%run './codes/files/export_jupyter.py'

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

```
ERROR:root:File `'./codes/files/export_jupyter.py'` not found.
```

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

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

```
ERROR:root:File `'../codes/git/update_github.py'` not found.
```

```
[ ]: git_full('/home/michel/Documents/SourceCode/package_pandas', '.', 'Atualizando')
     git_full('/home/michel/Documents/SourceCode/michelmetran.github.io', '.', 'Atual
```

```
[ ]:
```

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 Referêcias

A partir do post *Jupyter Notebook Extensions*.

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