

notebook_convert

July 1, 2022

1 2A.soft - Convert a notebook into a document

A couple of tricks to convert notebook such as convert a notebook into RST or HTML, get the notebook name.

First, let's retrieve the notebook name (see [How to I get the current IPython Notebook name](#)):

```
[1]: %%javascript
var kernel = IPython.notebook.kernel;
var body = document.body,
    attrs = body.attributes;
var command = "theNotebook = " + "'"+attrs['data-notebook-name'].value+"'";
kernel.execute(command);
```

<IPython.core.display.Javascript object>

```
[2]: if "theNotebook" in locals():
    a = theNotebook
else:
    a = None
a
```

```
[2]: 'notebook_convert.ipynb'
```

On Windows, you might need to execute the following trick (see [Pywin32 does not find its DLL](#)).

```
[3]: import sys
if sys.platform.startswith("win"):
    from pyquickhelper.helpgen.utils_pywin32 import import_pywin32
    import_pywin32()
```

Then, we call the following code:

```
[4]: from nbconvert import HTMLExporter
exportHtml = HTMLExporter()
if a is not None:
    body,resources = exportHtml.from_filename(theNotebook)
    with open("conv_notebook.html", "w", encoding="utf8") as f:
        f.write(body)
```

We can do it with the RST format (see [RSTExporter](#)).

```
[5]: from nbconvert import RSTExporter
exportRst = RSTExporter()
```

```
if a is not None:
    body,resources = exportRst.from_filename(theNotebook)
    with open("conv_notebook.rst", "w", encoding="utf8") as f:
        f.write(body)
```

Finally, if you want to retrieve the download a local file such as the RST conversion for example:

```
[6]: from IPython.display import FileLink
      FileLink("conv_notebook.rst")
```

```
[6]: C:\xavierdupre\_home_\GitHub\ensae_teaching_cs\_doc\notebooks\2a\conv_notebook2
      .rst
```

And the second link:

```
[7]: FileLink("conv_notebook.html")
```

```
[7]: C:\xavierdupre\_home_\GitHub\ensae_teaching_cs\_doc\notebooks\2a\conv_notebook.
      html
```

```
[8]:
```