

Index

August 25, 2017

1 Python

```
In [1]: import subprocess
import os
from os import path
import re
#from IPython.nbformat import read
from nbformat import read
```

IPython NotebookSVG“Trust”Notebook

```
In [2]: for folder, subfolders, filenames in os.walk("."):
    for filename in filenames:
        fullpath = path.join(folder, filename)
        if fullpath.lower().endswith(".ipynb"):
            #subprocess.call(["jupyter", "trust", fullpath, "--profile=scipybook2"])
            subprocess.call(["jupyter", "trust", fullpath])
```

- [examples.ipynb](#)
- [nbextensions](#)NotebookJavascript
- NotebookIPython NotebookNotebook
-
- Notebook

```
In [21]: links = []
    for folder, _, filenames in os.walk("."):
        for filename in filenames:
            #if re.match(r"\w+-[0-9a-zA-Z]\d\d-.\+?.ipynb$", filename):
            if re.match(r"\w+-[0-9]\d\d-\w+\.ipynb$", filename):
                fullpath = path.join(folder, filename)
                book = read(fullpath, 4)
                for cell in book.cells:
                    if cell.cell_type == "markdown" and cell.source.startswith("#"):
                        title = cell.source.strip("# ")
                        name = path.splitext(filename)[0]
```

```

        folder = path.basename(folder)
        link = "[{title} - {name}]({folder}/{name}.ipynb)".format(
            title=title, name=name, folder=folder)
        links.append(link)
    break

from IPython.display import display_markdown, Markdown
display_markdown(Markdown("\n\n".join(links)))

```

[Python - intro-100-whypython](#)
[IPython Notebook - intro-200-ipython](#)
[- intro-300-library](#)
[NumPy - numpy-100-ndarray](#)
[ufunc - numpy-200-ufunc](#)
[- numpy-300-mulitindex](#)
[- numpy-400-functions](#)
[ufunc - numpy-470-gufuncs](#)
[- numpy-900-tips](#)
[SciPy - scipy-100-intro](#)
[-optimize - scipy-210-optimize](#)
[-linalg - scipy-310-linalg](#)
[-stats - scipy-400-stats](#)
[-integrate - scipy-500-integrate](#)
[-signal - scipy-600-signal](#)
[-interpolate - scipy-700-interpolate](#)
[-sparse - scipy-810-sparse](#)
[-ndimage - scipy-900-ndimage](#)
[matplotlib - matplotlib-100-fastdraw](#)
[Artist - matplotlib-200-artists](#)
[- matplotlib-300-transform](#)
[matplotlib - matplotlib-600-tips](#)
[Pandas - pandas-100-dataobjects](#)
[- pandas-200-getset](#)
[- pandas-300-io](#)
[- pandas-400-calculation](#)
[- pandas-500-string](#)
[- pandas-600-datetime](#)
[NaN - pandas-700-nan](#)
[DataFrame - pandas-800-changeshape](#)
[- pandas-900-groupby](#)
[SymPy - sympy-100-intro](#)
[- sympy-200-expression](#)
[- sympy-300-calculations](#)
[- sympy-400-output](#)
[- sympy-500-mechanics](#)
[Traits & TraitsUI - traits-100-intro](#)
[Trait - traits-200-types](#)
[TraitsUI - traits-300-uiintro](#)

Handler - traits-400-handler
- traits-500-editors
- traits-600-example
TVTKMayavi- - tvtk_mayavi-100-intro
VTK(Pipeline) - tvtk_mayavi-200-pipeline
- tvtk_mayavi-300-dataset
TVTK - tvtk_mayavi-400-tvtk_and_vtk
mlab - tvtk_mayavi-600-mlab
- opencv-200-imgprocess
- opencv-300-transforms
- opencv-400-identify
- opencv-500-shapes
Cython-Python - cython-100-compiler
Cython - cython-200-intro
- cython-300-memoryview
Cython - cython-600-tips
- examples-000-intro
- examples-100-possion
- examples-300-movielens
- examples-400-fft
- examples-500-picosat
- examples-600-fractal

In []: