readme-first

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
- nbextensionsNotebookJavascript
- 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)))
```

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ufunc - numpy-200-ufunc
 - numpy-300-mulitindex
 - numpy-400-functions
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 - numpy-900-tips
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-optimize - scipy-210-optimize
-linalg - scipy-310-linalg
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-integrate - scipy-500-integrate
-signal - scipy-600-signal
-interpolate - scipy-700-interpolate
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- examples-300-movielens
- examples-400-fft
- examples-500-picosat
- examples-600-fractal

```
In [ ]:
```