

Parametric Thoughts

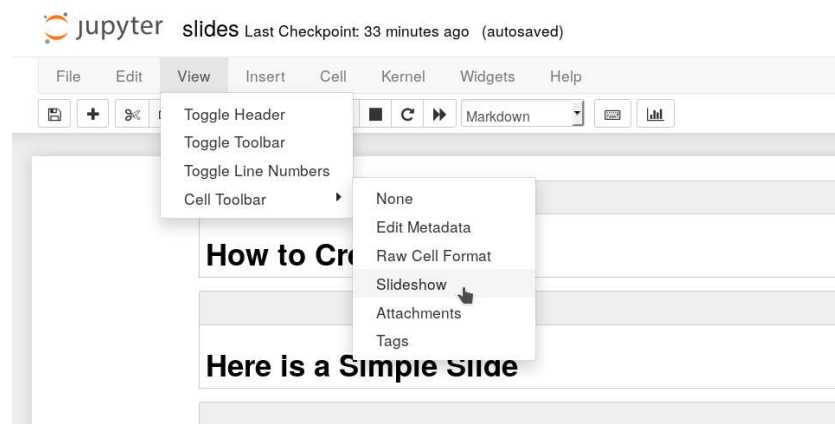
Creating Slides with Jupyter Notebook

06 May 2018

[Jupyter notebook](#) is a powerful tool to interactively code in web-based notebooks with a whole plethora of programming languages. With it, it is also possible to create web-based slideshows with [reveal.js](#).

The slides functionality is already included in Jupyter Notebook, so there is no need to install plugins. Although slides do not work at the time of writing for [JupyterLab](#). To open the slides toolbar for each cell in your Jupyter Notebook, enable it via `View > Cell Toolbar >`

`Slideshow :`



Now you can specify for each cell what kind of slide type you want. The available types are *Slide* (new slide), *Sub-Slide* (new slide below last one), *Fragment* (fragment within previous slide), *Skip* (skip this cell) and *Notes* (adding speaker notes):



You can now convert the notebook with the `jupyter-nbconvert` command line tool and the `--to slides` option. First, you need to add/clone [reveal.js](https://github.com/hakimel/reveal.js/) into your folder with the presentation (`git clone https://github.com/hakimel/reveal.js/`) and then you can run the command:

```
jupyter-nbconvert --to slides presentation.ipynb --reveal-prefix=reveal
```

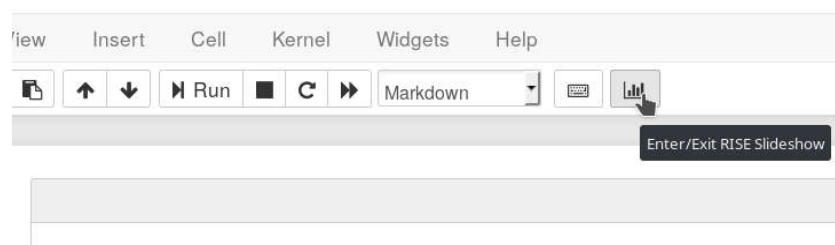
If you want to enable scrolling you can add the following to the jupyter nbconvert command (thanks to [Hannah Augustin](#) for the hint):

```
--SlidesExporter.reveal_scroll=True
```

It is also possible [serve slides with an https server](#) by using the `--post serve` option as in the command:

```
jupyter-nbconvert --to slides presentation.ipynb --post serve
```

This will run a server which opens the presentation in your browser ready for presentation. Another neat thing is [RISE](#), a Jupyter slideshow extension that allows you to instantly turn your Jupyter Notebooks into a slideshow with the press of a button in your notebook:



Finally, if you want to create a PDF from your slides, you can do that by adding `?print-pdf` to the url of the previously hosted slides:

```
http://localhost:8000/[SLIDES TITLE].slides.html?print-pdf
```

After opening this url, you can now print the page to PDF. You can find other configuration options in the [nbconvert documentation](#).

Happy presenting!

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