

Demo_of_RISE_for_slides_with_Jupyter_notebooks__OCaml

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2 Demo of RISE for slides with Jupyter notebooks (Python)

- This document is an example of a slideshow, written in a [Jupyter notebook](#) with the [RISE extension](#).

By [Lilian Besson](#), Sept.2017.

2.1 Title 2

2.1.1 Title 3

Title 4

Title 5

Title 6

2.2 Text

With text, *emphasis*, **bold**, ~~striked~~, inline code and

Quote.

-- By a guy.

2.3 Maths

With inline math $\sin(x)^2 + \cos(x)^2 = 1$ and equations:

$$\sin(x)^2 + \cos(x)^2 = \left(\frac{e^{ix} - e^{-ix}}{2i}\right)^2 + \left(\frac{e^{ix} + e^{-ix}}{2}\right)^2 = \frac{-e^{2ix} - e^{-2ix} + 2}{4} + \frac{+e^{2ix} + e^{-2ix} + 2}{4} = 1.$$

2.4 And code

In Markdown:

```
Sys.command "ocaml -version";;
```

And in a executable cell (with OCaml 4.04.2 kernel) :

```
In [1]: Sys.command "ocaml -version";;
```

The OCaml toplevel, version 4.04.2

```
Out[1]: - : int = 0
```

3 More demo of Markdown code

3.1 Lists

- Unordered
- lists
- are easy.

And

1. and ordered also ! Just
2. start lines by 1., 2. etc
3. or simply 1., 1., ...



agreg/images/dooku.jpg

Images With a HTML `` tag or the `![alt](url)` Markdown code:

```
In [6]: #thread ;;
        #require "jupyter.notebook" ;;
        (* https://akabe.github.io/ocaml-jupyter/notebook/JupyterNotebook.html *)

        let youtube_video url = JupyterNotebook.display "text/html"
            (Printf.sprintf "<iframe width=560 height=315 src='%s'></iframe>" url)
        ;;
```

```
Out[6]: val youtube_video : string -> JupyterNotebook.display_id = <fun>
```

And Markdown can include raw HTML This is a centered span, colored in green.

Iframes are disabled by default, but by using the IPython internals we can include let say a YouTube video:

```
In [7]: youtube_video "https://www.youtube.com/embed/FNg5_2UUCNU";;
```

```
Out[7]: - : JupyterNotebook.display_id = <abstr>
```

4 End of this demo

- See [here for more notebooks!](#)
- This document, like my other notebooks, is distributed [under the MIT License](#).