

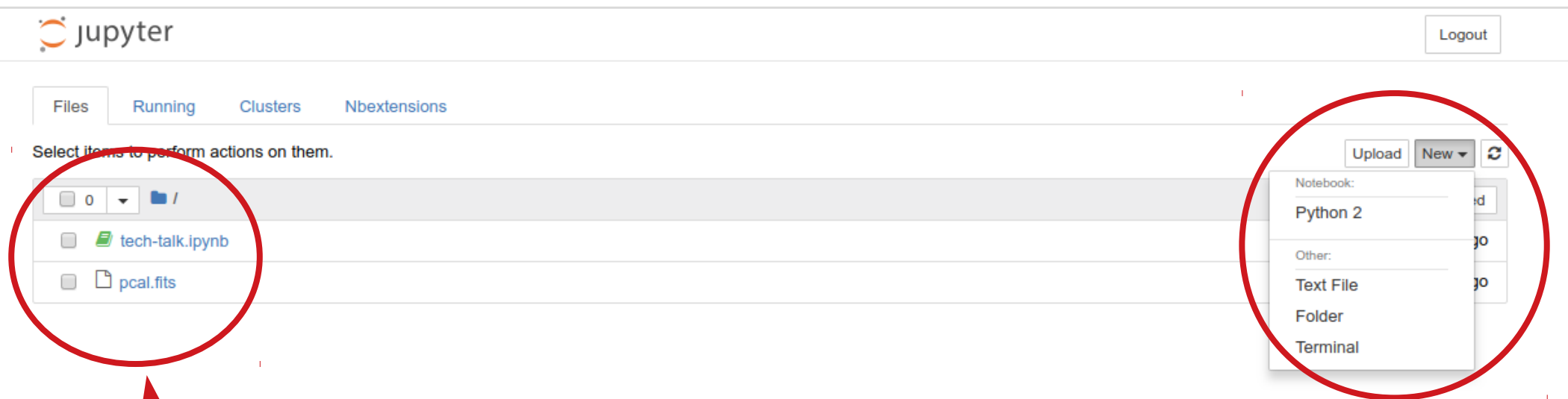


Tech Talk - Jupyter notebooks

22 Mar 2018

Jupyter - web browser based coding and note taking

Once you started the jupyter server you will get a tab like the below in you browser:



These are the files that are in the directory from which you started the jupyter server

Here you can start a new Notebook, e.g. Python 2

Jupyter - web browser based coding and note taking



The screenshot shows the Jupyter web interface. At the top left is the Jupyter logo. On the right is a 'Logout' button. Below the logo are four tabs: 'Files', 'Running', 'Clusters', and 'Nbextensions'. The 'Nbextensions' tab is highlighted with a red circle. Below the tabs is a message 'Select items to perform actions on them.' and buttons for 'Upload', 'New', and a refresh icon. Below this is a table of files and folders. The first row shows a folder icon, a dropdown menu with '0', and a folder icon followed by '/'. The second row shows a file icon, a green notebook icon, and the filename 'tech-talk.ipynb'. The third row shows a file icon and the filename 'pca1.fits'. The fourth row shows a file icon and the filename 'start-new-nb.png'. To the right of the filenames are status and time information: 'Running 2 minutes ago' for 'tech-talk.ipynb', 'a month ago' for 'pca1.fits', and 'seconds ago' for 'start-new-nb.png'. A red arrow points from the text below to the 'Nbextensions' tab.

jupyter

Logout

Files Running Clusters **Nbextensions**

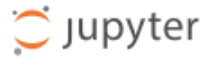
Select items to perform actions on them.

Upload New ↕

<input type="checkbox"/> 0 ▾	📁 /	Name ▾	Last Modified
<input type="checkbox"/>	📄 tech-talk.ipynb	Running	2 minutes ago
<input type="checkbox"/>	📄 pca1.fits		a month ago
<input type="checkbox"/>	📄 start-new-nb.png		seconds ago

This is where you enable different extensions

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The choice is yours...

Logout

Files

Running

Clusters

Nbextensions

Configurable nbextensions

☒ disable configuration for nbextensions without explicit compatibility (they may break your notebook environment, but can be useful to show for nbextension development)

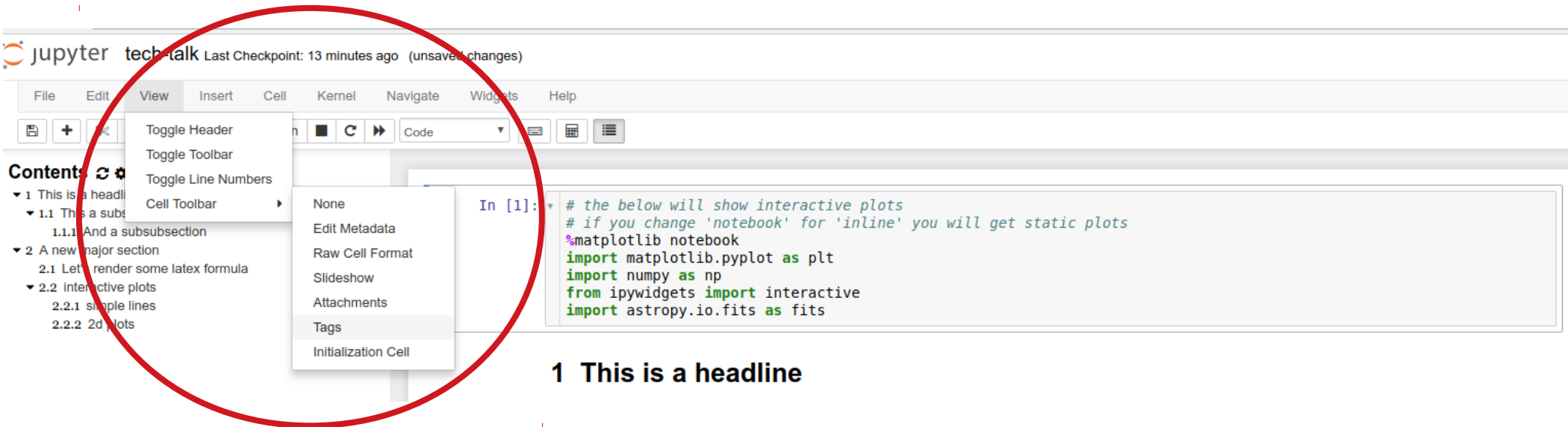
filter: by description, section, or tags

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> (some) LaTeX environments for Jupyter | <input type="checkbox"/> 2to3 Converter | <input checked="" type="checkbox"/> AddBefore | <input type="checkbox"/> Autopep8 |
| <input type="checkbox"/> AutoSaveTime | <input checked="" type="checkbox"/> Autoscroll | <input type="checkbox"/> Code Font Size | <input type="checkbox"/> Code prettify |
| <input checked="" type="checkbox"/> Codefolding | <input type="checkbox"/> Codefolding in Editor | <input checked="" type="checkbox"/> CodeMirror mode extensions | <input type="checkbox"/> Collapsible Headings |
| <input type="checkbox"/> Comment/Uncomment Hotkey | <input checked="" type="checkbox"/> contrib_nbextensions_help_item | <input type="checkbox"/> datestamper | <input type="checkbox"/> Equation Auto Numbering |
| <input type="checkbox"/> ExecuteTime | <input type="checkbox"/> Exercise | <input type="checkbox"/> Exercise2 | <input type="checkbox"/> Export Embedded HTML |
| <input type="checkbox"/> Freeze | <input type="checkbox"/> Gist-it | <input checked="" type="checkbox"/> Help panel | <input type="checkbox"/> Hide Header |
| <input type="checkbox"/> Hide input | <input type="checkbox"/> Hide input all | <input type="checkbox"/> Highlight selected word | <input type="checkbox"/> highlighter |
| <input type="checkbox"/> Hinterland | <input checked="" type="checkbox"/> Initialization cells | <input checked="" type="checkbox"/> jupyter-js-widgets/extension | <input type="checkbox"/> Keyboard shortcut editor |
| <input checked="" type="checkbox"/> Launch QTConsole | <input type="checkbox"/> Limit Output | <input type="checkbox"/> Live Markdown Preview | <input type="checkbox"/> Move selected cells |
| <input type="checkbox"/> Navigation-Hotkeys | <input checked="" type="checkbox"/> Nbextensions dashboard tab | <input checked="" type="checkbox"/> Nbextensions edit menu item | <input type="checkbox"/> nbTranslate |
| <input type="checkbox"/> Notify | <input type="checkbox"/> Printview | <input type="checkbox"/> Python Markdown | <input type="checkbox"/> Rubberband |
| <input type="checkbox"/> Ruler | <input type="checkbox"/> Runtools | <input checked="" type="checkbox"/> Scratchpad | <input type="checkbox"/> ScrollDown |
| <input type="checkbox"/> Select CodeMirror Keymap | <input type="checkbox"/> SKILL Syntax | <input checked="" type="checkbox"/> Skip-Traceback | <input type="checkbox"/> Snippets |
| <input type="checkbox"/> Snippets Menu | <input type="checkbox"/> spellchecker | <input type="checkbox"/> Split Cells Notebook | <input checked="" type="checkbox"/> Table of Contents (2) |
| <input type="checkbox"/> table_beautifier | <input type="checkbox"/> Toggle all line numbers | <input type="checkbox"/> Tree Filter | <input type="checkbox"/> Variable Inspector |
| <input type="checkbox"/> zenmode | | | |

zenmode

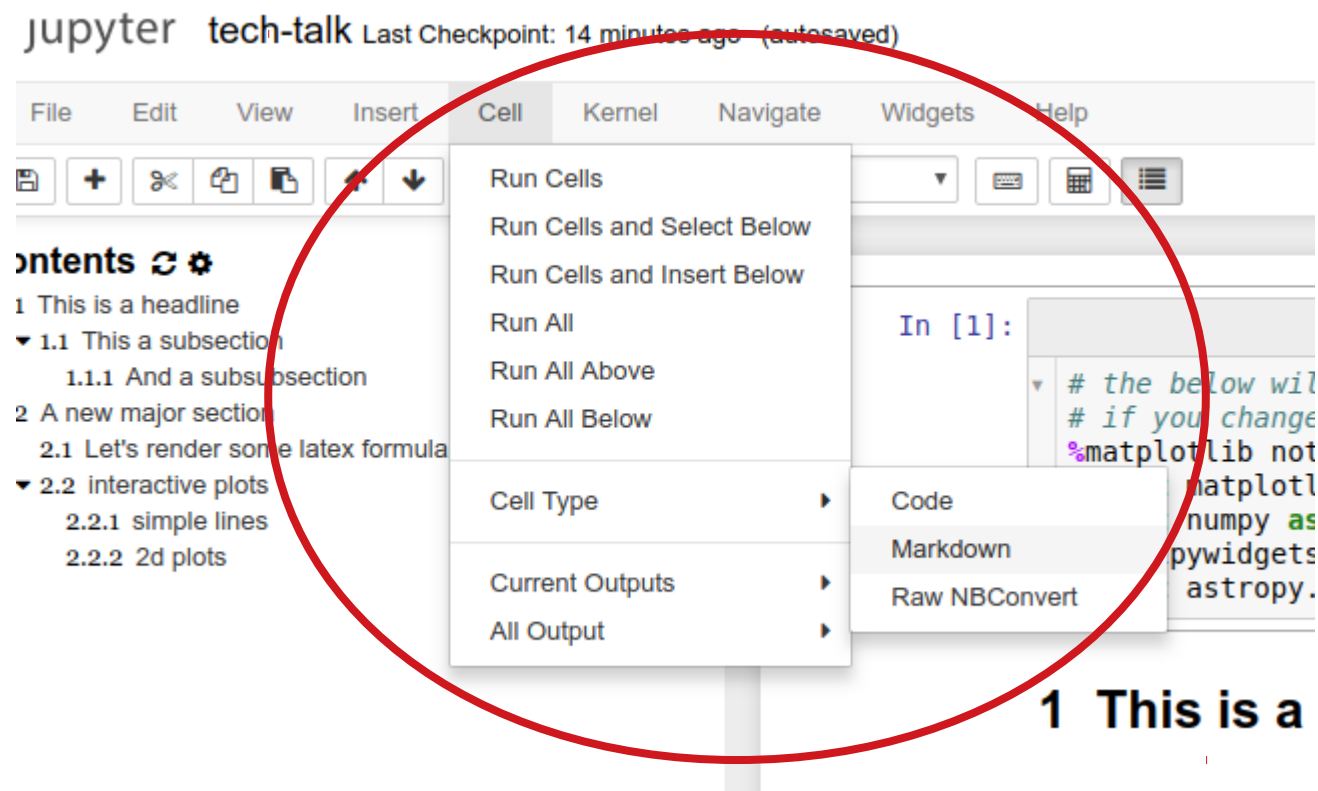
A little extension to give Zenmode functionality to the IPython notebook

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This is where you make, e.g., the initialisation cell tick boxes visible

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Turn a cell into a markdown cell, can also be done with Ctrl-m m

Also check out the Help, in particular all the nice keyboard shortcuts!