Jupyter Tips and Tricks

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Download: https://github.com/Ram-N/jupyter-tips

The tips we cover can be broadly put into the following Categories:

CODE	CATEGORY OF TIP/TRICK
EDIT	Editing Related Tips
CELL	Cell Related Tips
HELP	Getting Help
NBK	Notebook Related Tips
JUPYTER	Basic Jupyter Tips
AES	Aesthetics: Look and Feel
HTML	HTML-Based Tips and Tricks
SHELL	Cell Magic and Shell based Tips
PY	Python-Based Tips

Editing Related Tips

- How can we tell which mode (Command or Edit) we are in?
- How can we switch from one mode to the other?

Cell Related Tips

- How to Add a new cell (above and Below) the current cell?
- How to Delete a Cell?
- How to Copy a cell and paste it somewhere else in the Notebook?
- How to "Run" (execute) a cell?
- How to Hide and Unhide a cell's output
- How to Use Auto-completion?
- How to Clear output from a cell?
- What is the difference between a cell output and kernel output? When is one preferred over the other?
- How to suppress a cell's output?

Tips Related to Getting Help ("HELP")

- How to bring up the Keyboard Shortcuts? Also point out the `command palette'
- Various ways to get Help for a function (?, ?? and help(x))
- How to find the version of Jupyter you are running?
- How to see which methods are available in a module

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- How to find the help for any function?
- How to find all the methods inside a class?
- How to find all the arguments for a Python function?

Basic Jupyter Tips

- How to switch easily from Editing to Command Mode?
- How to recognize which of the Two Modes of Jupyter you are in?
- How to leverage Jupyter's extensive Tab fill (Auto completion)
- What to do if you accidentally kill the Jupyter HomePage tab?

Notebook Related Tips

- How to Save a Notebook?
- How to Clone/Duplicate a Notebook?
- Save As vs. Make a Copy – Two ways to duplicate
- Cut and Paste Cells
  - Within same Notebook
- How to Copy Cells From one notebook to another
- Clear values from a Notebook

Aesthetics: Look and Feel

- Some ways to Add Images in your notebook
  - Using Markdown
  - Using HTML tags
  - Using Python
- How to Embed a YouTube Video in your notebook?
- Colored Text in Markdown cell using HTML

HTML-Based Tips and Tricks

- Including Hyper Links in Cells
  - External Links
  - Internal Links (inline anchors)
- Printing with fancier Fonts (Using Python)

Cell Magic and Shell based Tips

- How to Find the Current Working Directory
- Line Magic vs Whole Cell magic
- %lsmagic
- %time, %%timeit

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- %%capture

Python-Based Tips

- How to check which version of Python we are using?
- In which folder (directory) is your Jupyter Notebook being stored?
- How to find the current working directory?
- How to find all the Ipynb Notebooks in a directory?
- How to List All functions in a module
- How to see all the functions and classes that come pre-loaded with Python?
- How to see all the variables in any notebook's memory?

Topics Beyond the scope of this Tutorial:

Custom.css, Ipython Themes, Making it into Slides, Widgets.

References:

DataCamp Jupyter CheatSheet:

https://s3.amazonaws.com/assets.datacamp.com/blog_assets/Jupyter_Notebook_Cheat_Sheet.pdf

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