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

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 Bring up Keyboard shortcuts? (Command Palette vs. Keyboard Shortcuts overview)
- Getting Jupyter help, Jupyter Version
- How to leverage Jupyter's extensive Tab fill (Auto completion)
- What to do if you accidentally kill the Jupyter HomePage tab?

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 Clear output from a cell?
- What is the difference between a cell output and kernel output?

- How to suppress a cell's output?

Tips Related to Getting Help ("HELP")

- Various ways to get Help for a function (?, ?? and help(x))
- 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?

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
- %%capture

Python-Based Tips

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- 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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