Mac OS X keymap:

⌘	Command
^	Control
⌥	Option
⇧	Shift
↩	Return
␣	Space
⇥	Tab

Linux/PC keymap:

^	Control
⌥	Alt
⇧	Shift
↩	Return
␣	Space
⇥	Tab

Edit mode shortcuts

Esc	switch to command mode
⇥	code completion or indent
⇧⇥	tooltip
⌘]	indent
⌘[	dedent
⌘A	select all
⌘Z	undo
⌘⇧Z	redo
⌘Y	redo
^M	command mode
Esc	command mode
⌘⇧P	open the command palette
⇧↩	run cell, select below
^↩	run selected cells
⌥↩	run cell, insert below
^⇧Minus	split cell
⌘S	Save and Checkpoint
↓	move cursor down
↑	move cursor up

Edit mode: OSX only

⌘↑	go to cell start
⌘↓	go to cell end
⌥←	go one word left
⌥→	go one word right
⌥⌫	delete word before
⌥⌦	delete word after

Edit mode: Linux/PC

^Home	got to cell start
^↑	go to cell start
^End	go to cell end
^↓	go to cell end
^←	go one word left
^→	go one word right
^⌫	delete word before
^⌦	delete word after

Command mode shortcuts

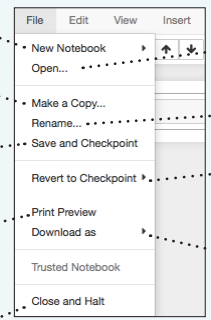
↩	enter edit mode
F	find and replace
⌘⇧P	open the command palette
⇧↩	run cell, select below
^↩	run selected cells
⌥↩	run cell, insert below
Y	to code
M	to markdown
R	to raw
1	to heading 1
2	to heading 2
3	to heading 3
4	to heading 4
5	to heading 5
6	to heading 6
K	select cell above
↑	select cell above
↓	select cell below
J	select cell below
⇧K	extend selected cells above
⇧↑	extend selected cells above
⇧↓	extend selected cells below
⇧J	extend selected cells below
A	insert cell above
B	insert cell below
X	cut selected cells
C	copy selected cells
⇧V	paste cells above
V	paste cells below
Z	undo cell deletion
D,D	delete selected cells
⇧M	merge selected cells, or current cell with cell below if only one cell selected
⌘S	Save and Checkpoint
S	Save and Checkpoint
L	toggle line numbers
O	toggle output of selected cells
⇧O	toggle output scrolling of selected cells
H	show keyboard shortcuts
I,I	interrupt kernel
0,0	restart the kernel (with dialog)
Esc	close the pager
Q	close the pager
⇧␣	scroll notebook up
␣	scroll notebook down

Python For Data Science *Cheat Sheet*

Jupyter Notebook

Learn More Python for Data Science Interactively at www.DataCamp.com

Saving/Loading Notebooks

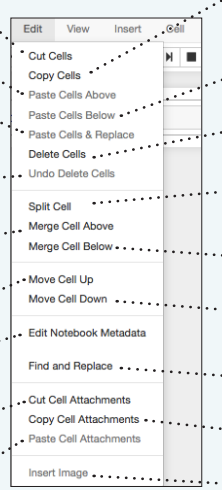


- Create new notebook
- Make a copy of the current notebook
- Save current notebook and record checkpoint
- Preview of the printed notebook
- Close notebook & stop running any scripts
- Open an existing notebook
- Rename notebook
- Revert notebook to a previous checkpoint
- Download notebook as
  - IPython notebook
  - Python
  - HTML
  - Markdown
  - reST
  - LaTeX
  - PDF

Writing Code And Text

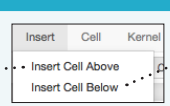
Code and text are encapsulated by 3 basic cell types: markdown cells, code cells, and raw NBConvert cells.

Edit Cells



- Cut currently selected cells to clipboard
- Paste cells from clipboard above current cell
- Paste cells from clipboard on top of current cel
- Revert "*Delete Cells*" invocation
- Merge current cell with the one above
- Move current cell up
- Adjust metadata underlying the current notebook
- Remove cell attachments
- Paste attachments of current cell
- Copy cells from clipboard to current cursor position
- Paste cells from clipboard below current cell
- Delete current cells
- Split up a cell from current cursor position
- Merge current cell with the one below
- Move current cell down
- Find and replace in selected cells
- Copy attachments of current cell
- Insert image in selected cells

Insert Cells



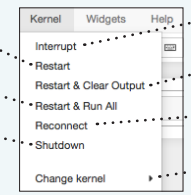
- Add new cell above the current one
- Add new cell below the current one

Working with Different Programming Languages

Kernels provide computation and communication with front-end interfaces like the notebooks. There are three main kernels:

IPython | IRkernel | IJulia

Installing Jupyter Notebook will automatically install the IPython kernel.

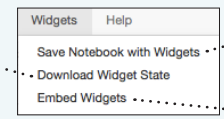


- Restart kernel
- Restart kernel & run all cells
- Restart kernel & run all cells
- Interrupt kernel
- Interrupt kernel & clear all output
- Connect back to a remote notebook
- Run other installed kernels

Widgets

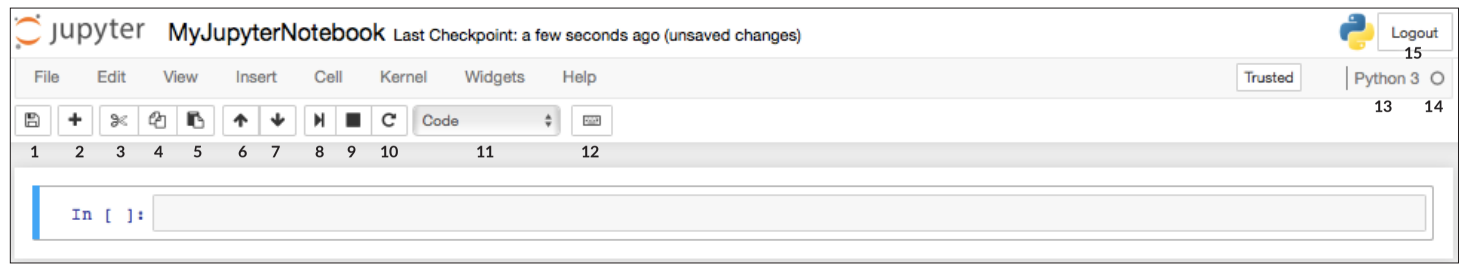
Notebook widgets provide the ability to visualize and control changes in your data, often as a control like a slider, textbox, etc.

You can use them to build interactive GUIs for your notebooks or to synchronize stateful and stateless information between Python and JavaScript.



- Download serialized state of all widget models in use
- Save notebook with interactive widgets
- Embed current widgets

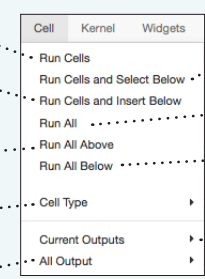
Command Mode:



Edit Mode:

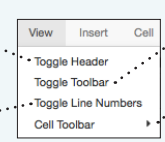
1. Save and checkpoint
2. Insert cell below
3. Cut cell
4. Copy cell(s)
5. Paste cell(s) below
6. Move cell up
7. Move cell down
8. Run current cell
9. Interrupt kernel
10. Restart kernel
11. Display characteristics
12. Open command palette
13. Current kernel
14. Kernel status
15. Log out from notebook server

Executing Cells



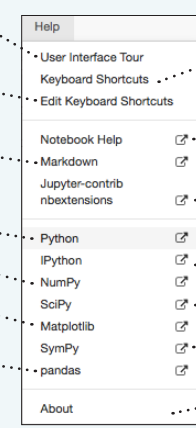
- Run selected cell(s)
- Run current cells down and create a new one above
- Run all cells above the current cell
- Change the cell type of current cell
- toggle, toggle scrolling and clear all output
- Run current cells down and create a new one below
- Run all cells
- Run all cells below the current cell
- toggle, toggle scrolling and clear current outputs

View Cells



- Toggle display of Jupyter logo and filename
- Toggle line numbers in cells
- Toggle display of toolbar
- Toggle display of cell action icons:
  - None
  - Edit metadata
  - Raw cell format
  - Slideshow
  - Attachments
  - Tags

Asking For Help



- Walk through a UI tour
- Edit the built-in keyboard shortcuts
- Description of markdown available in notebook
- Python help topics
- NumPy help topics
- Matplotlib help topics
- Pandas help topics
- List of built-in keyboard shortcuts
- Notebook help topics
- Information on unofficial Jupyter Notebook extensions
- IPython help topics
- SciPy help topics
- SymPy help topics
- About Jupyter Notebook