



JUPYTERLAB USER CHEATSHEET

JupyterLab is the next generation Interactive Development Environment (IDE) for data science.

See full documentation for JupyterLab <https://github.com/jupyterlab/jupyterlab>

INSTALLATION

Install Anaconda3 <https://anaconda.com/downloads>

Install JupyterLab

Windows **START** - Open Anaconda Prompt, type `conda install -c conda-forge jupyterlab`

macOS, Linux In terminal, type `conda install -c conda-forge jupyterlab`

OPTIONAL: Install R (all operating systems) `conda install r-essentials`

LAUNCH

Windows **START** - select Anaconda Prompt, type `jupyter lab`

macOS, Linux In Terminal, type `jupyter lab`

QUICK START

Open Launcher Select "+" icon in top left corner

Open Python 3 Notebook Under Notebook, select `Python 3` icon

Type Python code in cell In cell, type `print ("Hello World")`

Run Python code in cell In ribbon, select `play` button or keyboard shortcut `shift + enter`

OPEN APPLICATIONS

Open Notebook, Text File, Terminal, or Shell Open Launcher by selecting "+" icon in top left corner, then select Notebook, Console, Terminal, or Text Editor

EDIT FILES

Open a file in a text editor From the Files tab, `ctrl + click` the filename to open the drop-down menu, then select `Open With...`, then select Editor.

INSTALL PYTHON 2 KERNEL

Windows `conda create -n ipykernel_py2 python=2 ipykernel`
`activate ipykernel_py2`
`python -m ipykernel install --user`

macOS, Linux `conda create -n ipykernel_py2 python=2 ipykernel`
`source activate ipykernel_py2`
`python -m ipykernel install --user`

KERNEL SHUT DOWN

Close Terminal or Kernel Sessions Navigate to the `Running` tab on the left side of the screen, then select `kernel` in the top menu then click `Shutdown kernel`

SHUT DOWN

Closing browser tab does not stop JupyterLab.
To completely shut it down, close it in the terminal. `CTRL-C`



CONTINUED ON BACK →



JUPYTER NOTEBOOKS CHEATSHEET

Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations, and explanatory text.

See full documentation for Jupyter Notebooks <https://jupyter.readthedocs.io/>

INSTALLATION

Installing Anaconda Distribution
installs Jupyter Notebook <https://anaconda.com/downloads>

LAUNCH

Windows **START** - click Jupyter Notebook launcher icon.

macOS, Linux In Terminal, type `jupyter notebook`

NOTEBOOK BASICS

Take the 5-minute tour <http://bit.ly/jupyter-tour>

KEYBOARD NAVIGATION

Basic navigation **ENTER** (edit mode), **ESC** (command mode)

Save notebook **s**

Change cell types **y, m, 1-6**

Cell creation **a, b**

Cell editing **x = cut, c = copy, v = paste, dd = delete, z = undo**

Kernel operations **i. 0** (press twice)

More Keyboard Shortcuts <http://bit.ly/jupytershortcuts>

INSTALL PYTHON 2 KERNEL

Windows

```
conda create -n ipykernel_py2 python=2 ipykernel
activate ipykernel_py2
python -m ipykernel install --user
```

macOS, Linux

```
conda create -n ipykernel_py2 python=2 ipykernel
source activate ipykernel_py2
python -m ipykernel install --user
```

INSTALL R LANGUAGE KERNEL

All operating systems `conda install r-essentials`

KERNEL SHUT DOWN

In the associated notebook's top navigation menu **File - close and halt**

SHUT DOWN

Closing the browser tab does not shut down Jupyter Notebook. To completely shut it down, close it in the terminal. **CTRL-C**

MORE RESOURCES

Support anaconda.com/support

Training anaconda.com/training

Consulting anaconda.com/consulting