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_py2 install --user`

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

KERNEL SHUT DOWN	
Close Terminal or Kernel Sessions	Navigate to the `Running` tab on the left side of the screen, then select `Shutdown`

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

ANACONDA.

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, c, v, d, z`
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_py2 install --user`

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