

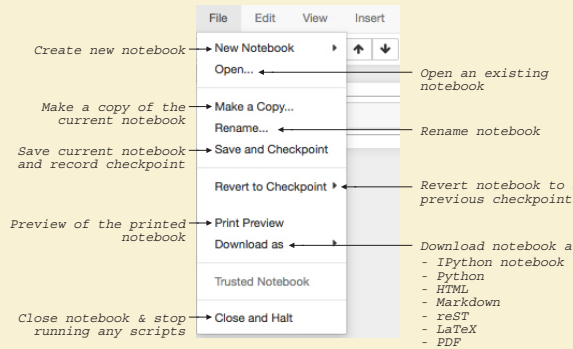
# Python For Data Science Cheat Sheet

## Jupyter Notebook

### Learn Python for Data Science Interactively

#### Saving/Loading Notebooks

Matplotlib is a Python 2D plotting library which produces publication-quality figures in a variety of hardcopy formats and interactive environments across platforms.

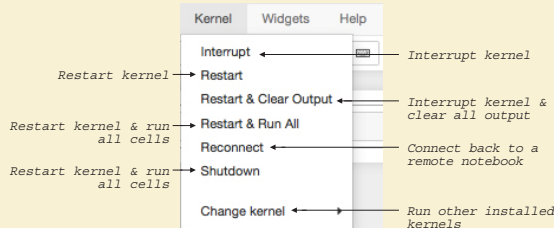


#### Working with Different Programming Languages

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



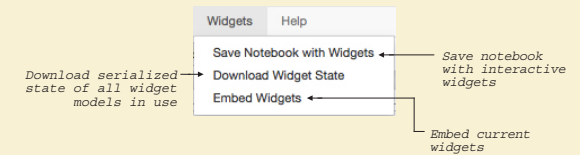
Installing Jupyter Notebook will automatically install the IPython kernel.



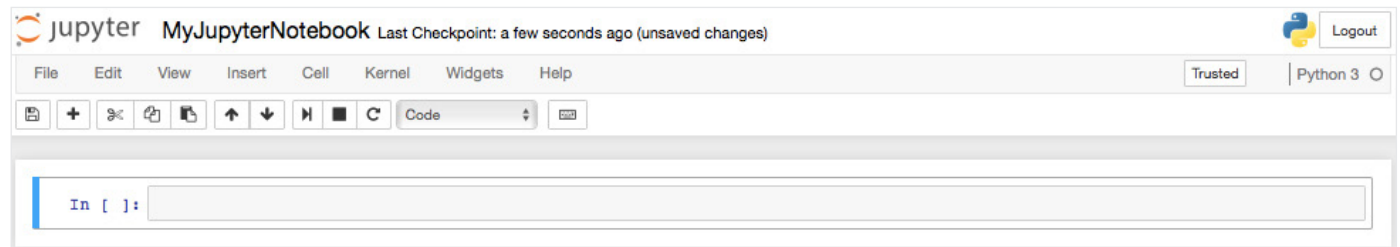
#### Widgets

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

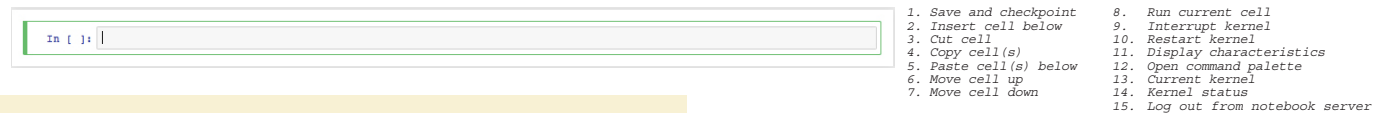
You can use them to build interactive GUIs for your notebooks or to synchronize stateful and stateless information between Python and JavaScript.



#### Command Mode:



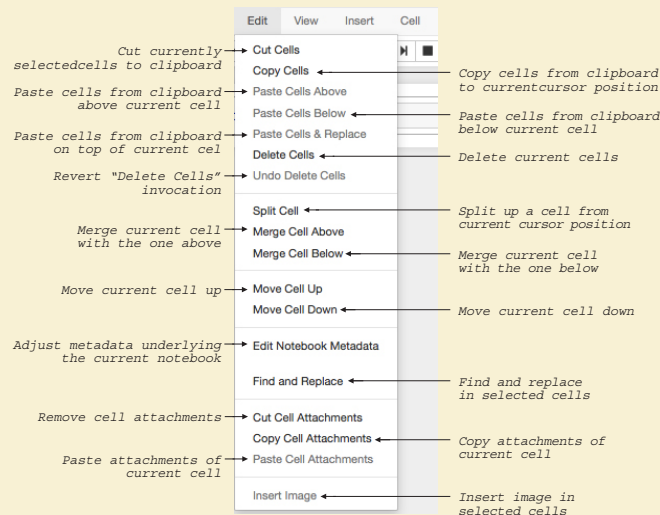
#### Edit Mode:



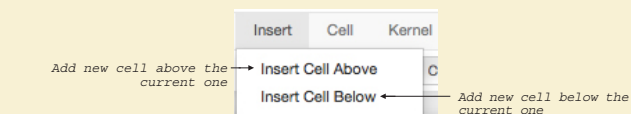
#### Writing Code And Text

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

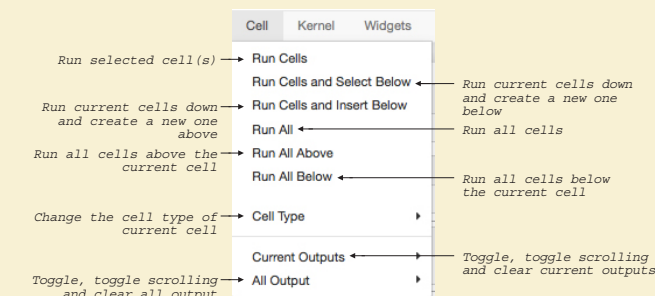
##### Edit Cells



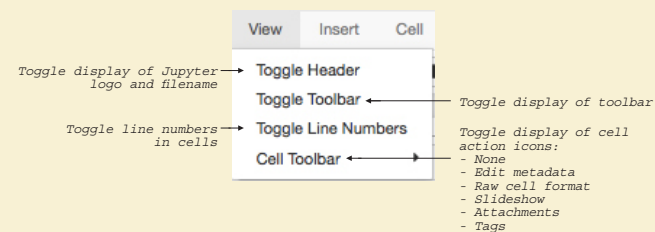
##### Edit Cells



##### Edit Cells



##### View Cells



#### Asking For Help

