Getting Familiar with Jupyter Notebook

Run Jupyter Notebook

Run the Jupyter Notebook server

Check the URL of the home directory (http://localhost:8888/tree)

Check the home directory
The home directory of Jupyter is the directory where you run the Jupyter Notebook server.

Create a new directory dedicated to this course

Move to the dedicated directory

Handle a notebook

Create a new Jupyter notebook

Change the file name of a Jupyter notebook (exercise.ipynb)

Write code in a cell
print("Hello, world!")

Run a cell (click Run or press ctrl + enter)

Add a new code cell (click + or press b)
print("I'm learning Python data analytics.")

Delete a cell (press d + d)

Undo deleted cells (press z)

Move a cell up/down (click arrows)

Split/merge cells (click Edit > Split/Merge Cell)

Run a cell and insert a new cell below (press alt + enter)

Run a cell and select the next cell (press shift + enter)

Run all cells (click Cell > Run All)

Restart and clear all output (click Kernel > Restart & Clear Output)

Restart and run all (click Kernel > Restart & Run All)

Save and checkpoint a notebook (click disk or press ctrl +s)

Show keyboard shortcuts
Help > Keyboard Shorcuts

Change the cell type from Code to Markdown
https://www.tutorialspoint.com/jupyter/jupyter_notebook_markdown_cells.htm

Comment a single line (#)

Comment/uncomment multiple lines (select and ctrl + /)

Indent a line (tab)

Indent multiple lines (select and tab)

Unindent a line (shift + tab)

Unindent multiple lines (select and shift + tab)

Run operating system-level commands (! command)
! pip install twitter

Create get_even_odds.ipynb

Download as a Jupyter notebook, Python code, and an HTML file

Upload and run an external notebook
https://github.com/jakevdp/PythonDataScienceHandbook

Run Jupyter Lab (http://localhost:8888/lab)
https://jupyterlab.readthedocs.io/en/stable/

Shutdown the Jupyter Notebook server (click Quit or press ctrl + c on the command line)

Use R on Jupyter

$ conda install -c r r-irkernel
run Jupyter Notebook
Create a new notebook by selecting R
Run:

- iris
- class(iris)
- colnames(iris)
- head(iris)