

Anaconda Set Up

How to install

About Anaconda

- www.anaconda.com
- Anaconda® is a package manager, an environment manager, a Python/R data science distribution, and a collection of over 1,500+ open source packages. Anaconda is free and easy to install, and it offers free community support.

Download Anaconda



The open-source [Anaconda Distribution](#) is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. With

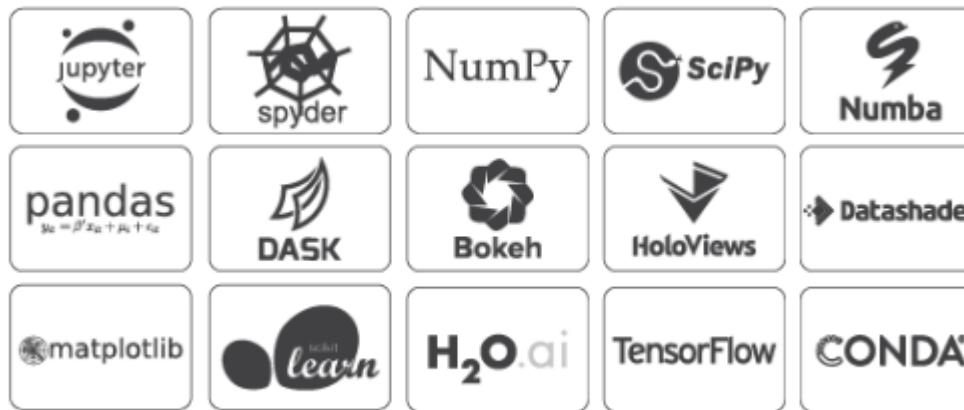
Anaconda Help

- <https://docs.anaconda.com/anaconda/>

Download Anaconda Distribution

- <https://www.anaconda.com/distribution/#windows>

Software's in Anaconda



Download Anaconda from <https://www.anaconda.com/download/>



Windows



macOS



Linux

Chose the appropriate Bit : 64 or 32

Anaconda 2018.12 for Windows Installer



Python 3.7 version

[Download](#)

[64-Bit Graphical Installer \(614.3 MB\)](#)

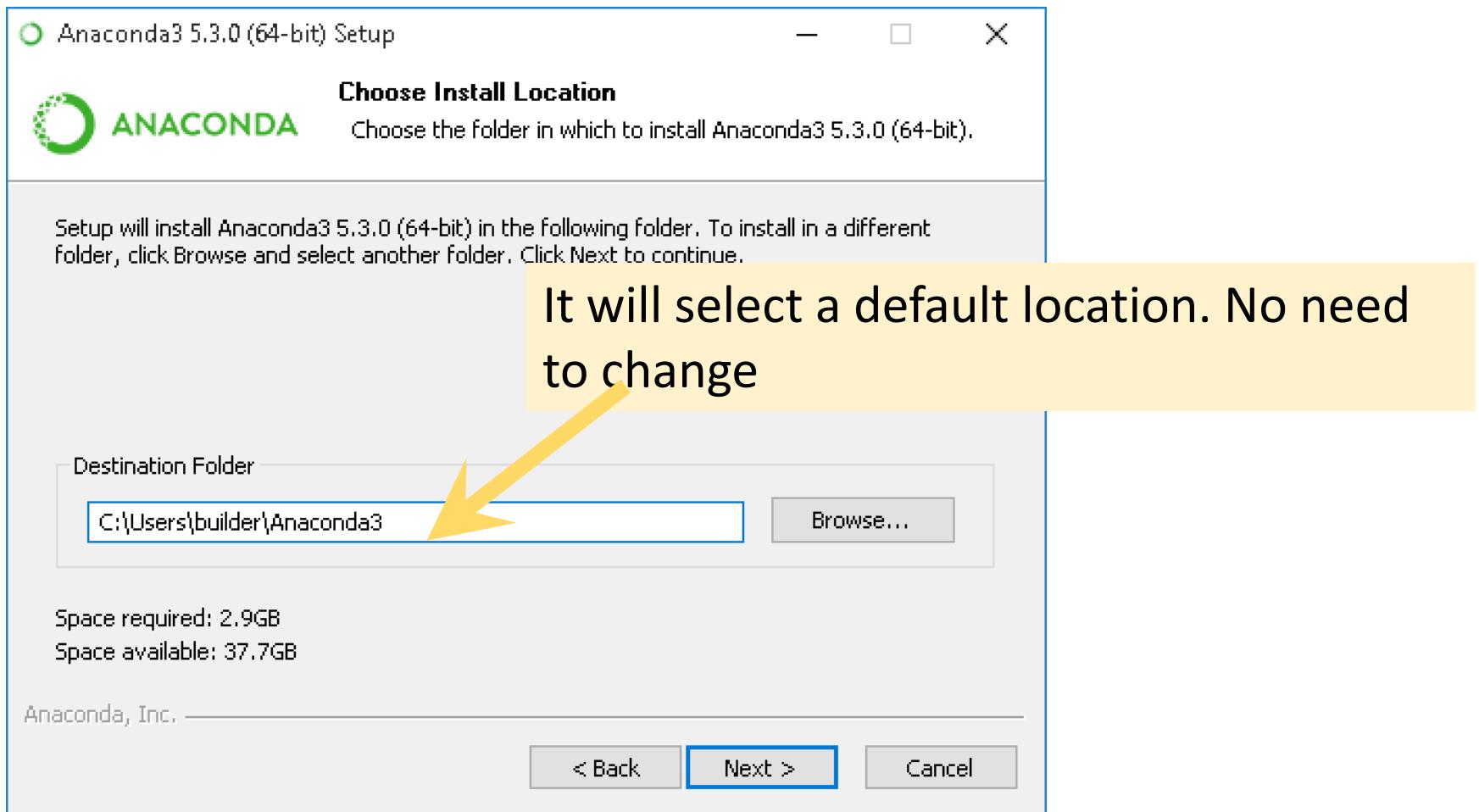
[32-Bit Graphical Installer \(509.7 MB\)](#)

Python 2.7 version

[Download](#)

[64-Bit Graphical Installer \(560.6 MB\)](#)

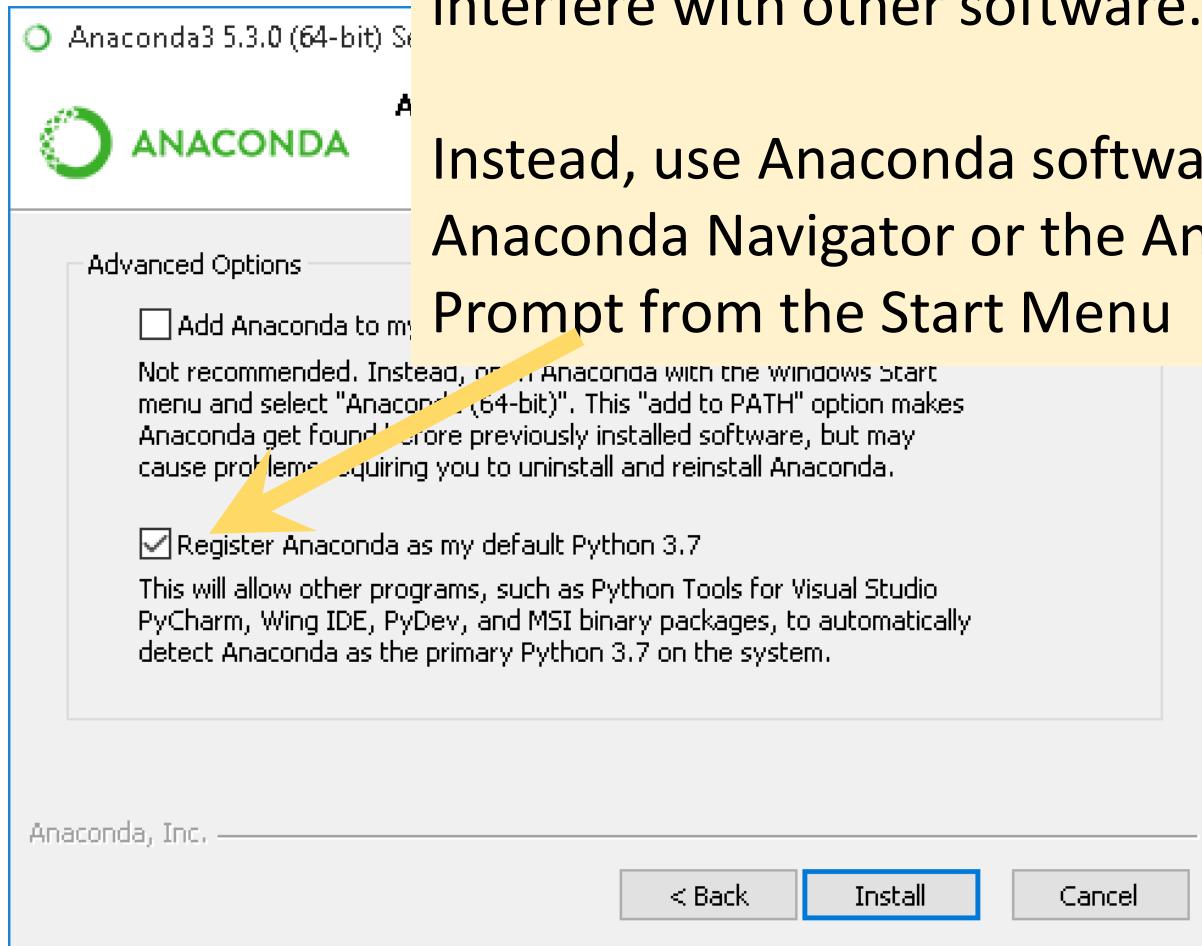
[32-Bit Graphical Installer \(458.6 MB\)](#)



Installation Steps

- <https://docs.anaconda.com/anaconda/install/windows/>

Choose whether to add Anaconda to your PATH environment variable. We recommend not adding Anaconda to the PATH environment variable, since this can interfere with other software.



Instead, use Anaconda software by opening Anaconda Navigator or the Anaconda Prompt from the Start Menu



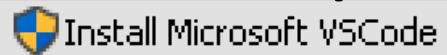
Anaconda3 5.3.0 (64-bit)

Microsoft Visual Studio Code Installation

Anaconda has partnered with Microsoft to bring you Visual Studio Code. Visual Studio Code is a free, open source, streamlined cross-platform code editor with excellent support for Python code editing, IntelliSense, debugging, linting, version control, and more.

To install Visual Studio Code, you will need Administrator Privileges and Internet connectivity.

Visual Studio Code License Be patient. This step takes awhile



Anaconda, Inc. —

< Back

Skip

Cancel



Installing

Please wait while Anaconda2 5.0.1 (64-bit) is being installed.

Extract: babel-2.5.0-py27h50e9d34_0.tar.bz2



Show details

Be patient. This step takes awhile

Anaconda, Inc.

< Back

Next >

Cancel



Be patient.

Thanks for installing Anaconda3!

Anaconda is the most popular Python data science platform.

Share your notebooks, packages, projects and environments on Anaconda Cloud!

Learn more about Anaconda Cloud

Learn how to get started with Anaconda

This step takes awhile

< Back

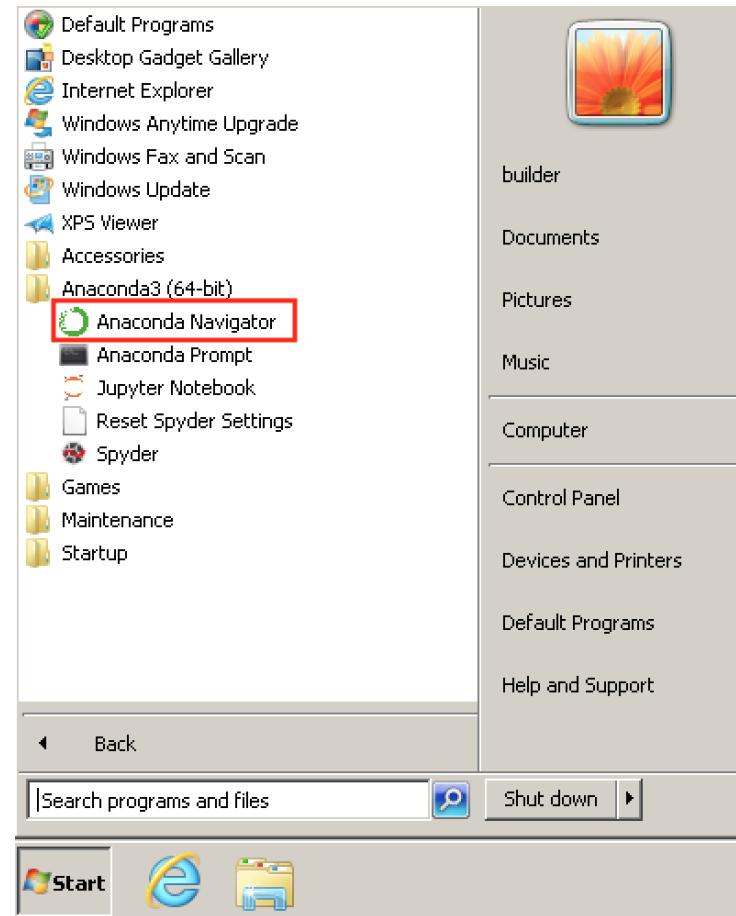
Finish

Cancel

Starting Anaconda Navigator

- After your install is complete, verify it by opening Anaconda Navigator, a program that is included with Anaconda: from your Windows Start menu, select the shortcut Anaconda Navigator. If Navigator opens, you have successfully installed Anaconda. If not, check that you completed each step above

Starting Anaconda Navigator



Anaconda Navigator

File Help

ANACONDA NAVIGATOR

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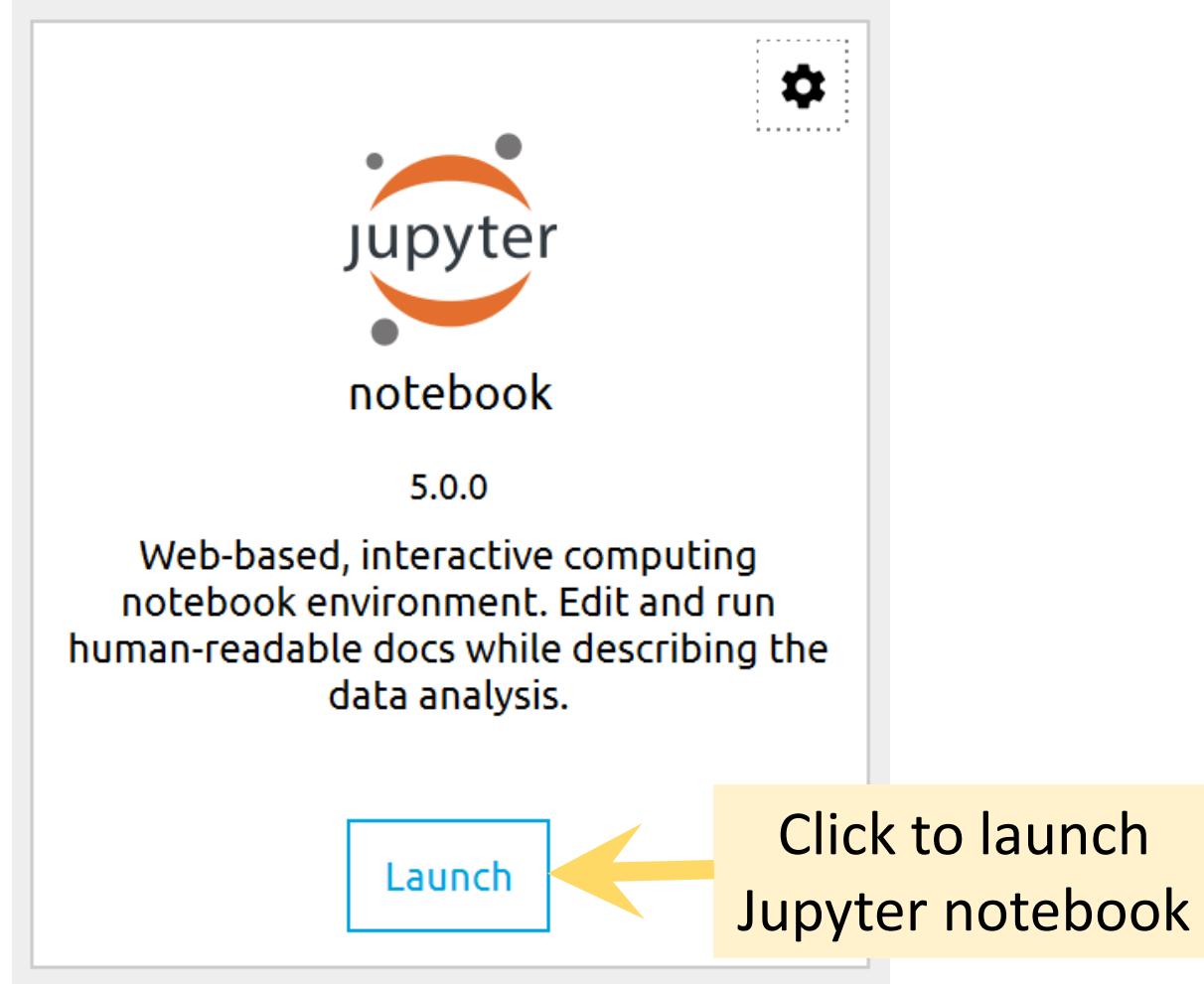
Twitter YouTube GitHub

Applications on base (root) Channels Refresh

| | | | |
|--|---|--|--|
|  jupyterlab 0.32.1 An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture. Launch |  notebook 5.5.0 Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis. Launch |  qtconsole 4.3.1 PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more. Launch |  spyder 3.2.8 Scientific Python Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features. Launch |
|  glueviz 0.13.3 Multidimensional data visualization across files. Explore relationships within and among related datasets. Launch |  orange3 3.19.0 Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows. Launch |  rstudio 1.1.456 A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks. Launch |  vscode 1.32.3 Streamlined code editor with support for development operations like debugging, task running and version control. Launch |

Windows Internet Explorer Google Chrome Microsoft Edge Microsoft Word Microsoft Excel Microsoft PowerPoint Microsoft Paint Microsoft Snipping Tool Microsoft To Do Microsoft Edge Dev Tools ENG 08:42 21-03-2019

To run, open Anaconda Navigator



How to use Jupyter

Saving/Loading Notebooks

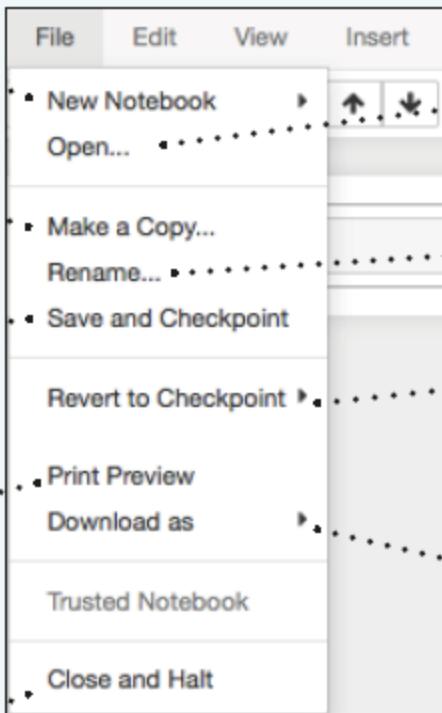
Create new notebook

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

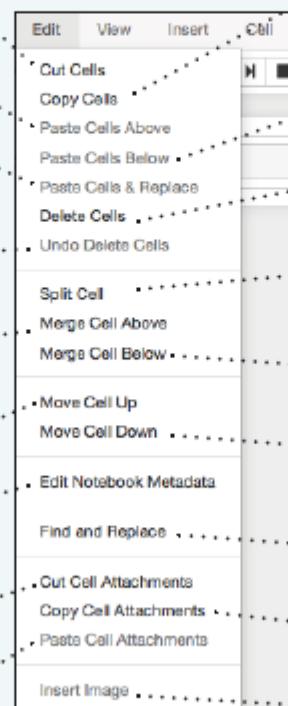
Rename notebook

Revert notebook to a previous checkpoint

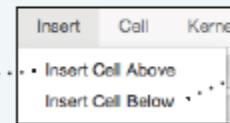
Download notebook as

- IPython notebook
- Python
- HTML
- Markdown
- reST
- LaTeX
- PDF

Edit Cells

- 
- Cut currently selected cells to clipboard
- Paste cells from clipboard above current cell
- Paste cells from clipboard on top of current cell
- 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:

IP[y]:
IPython

IRkernel

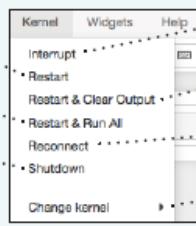
IJ[•]
Julia

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

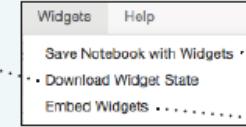
Connect back to a remote notebook

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.

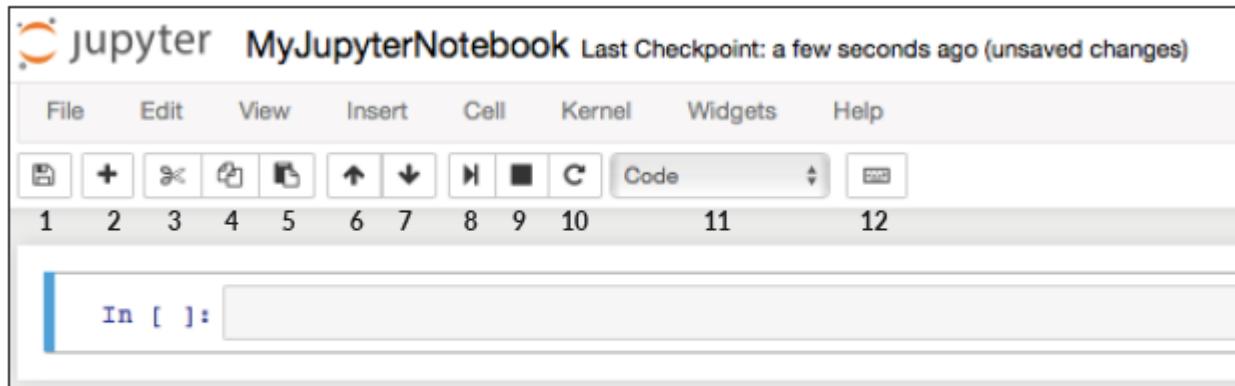


Download serialized state of all widget models in use

Save notebook with interactive widgets

Embed current widgets

Command Mode:



Edit Mode:



Executing Cells

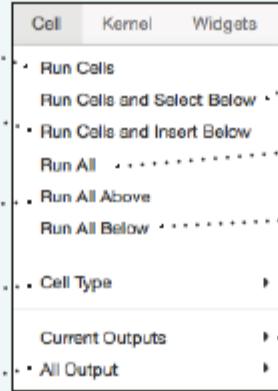
Run selected cell(s)

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

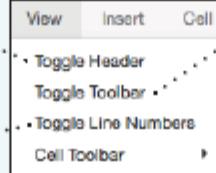
Run all cells below
the current cell

toggle, toggle
scrolling and clear
current outputs

View Cells

Toggle display of Jupyter
logo and filename

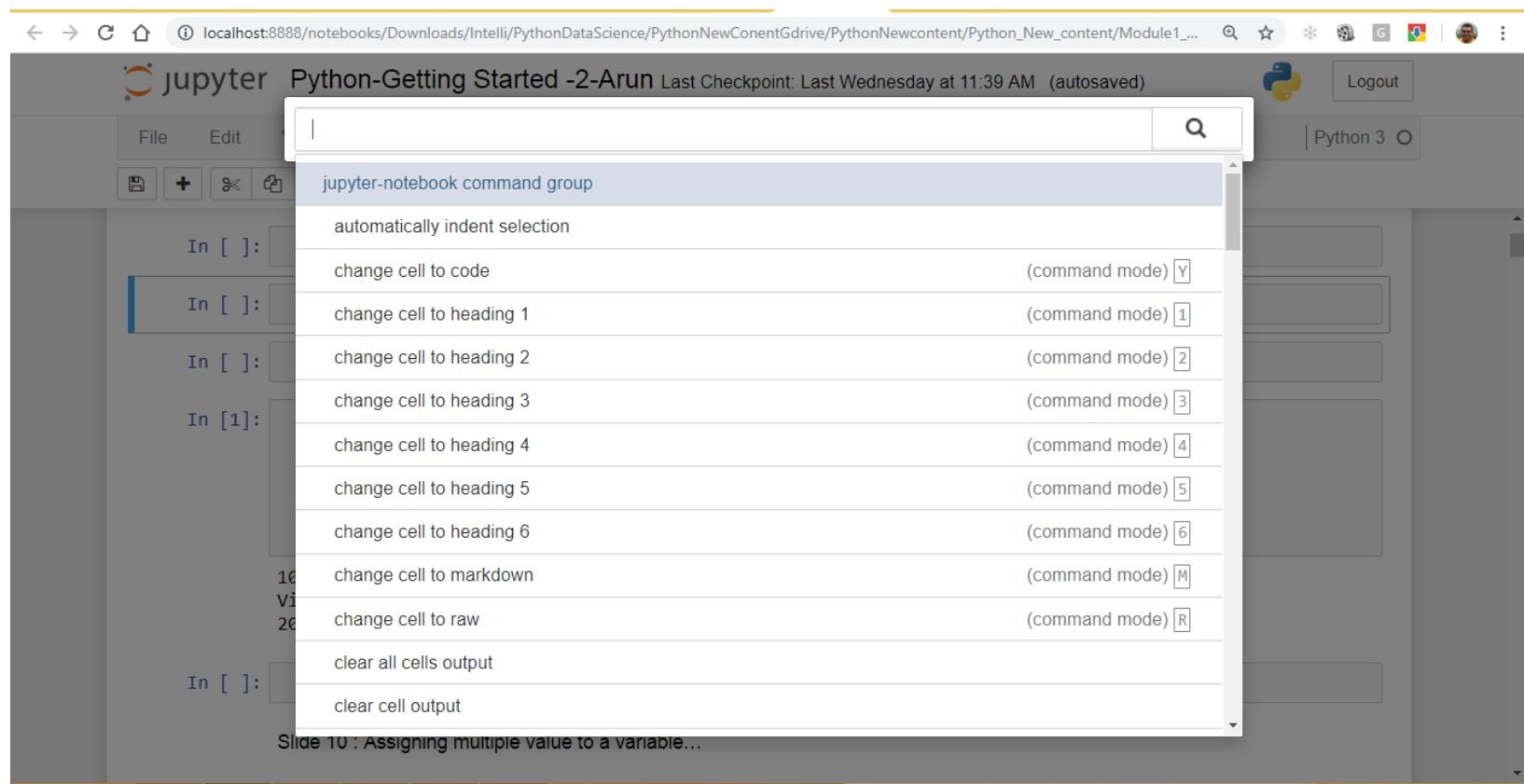
Toggle line numbers
in cells



Toggle display of toolbar

Toggle display of cell
action icons:
- None
- Edit metadata
- Raw cell format
- Slideshow
- Attachments
- Tags

Another way to access keyboard shortcuts, Ctrl + Shift + P Windows)



End