

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

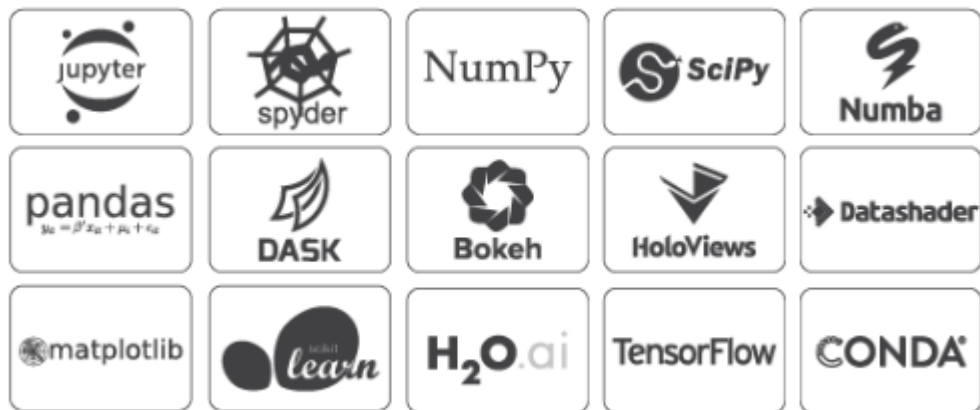
Anaconda Help

- <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)

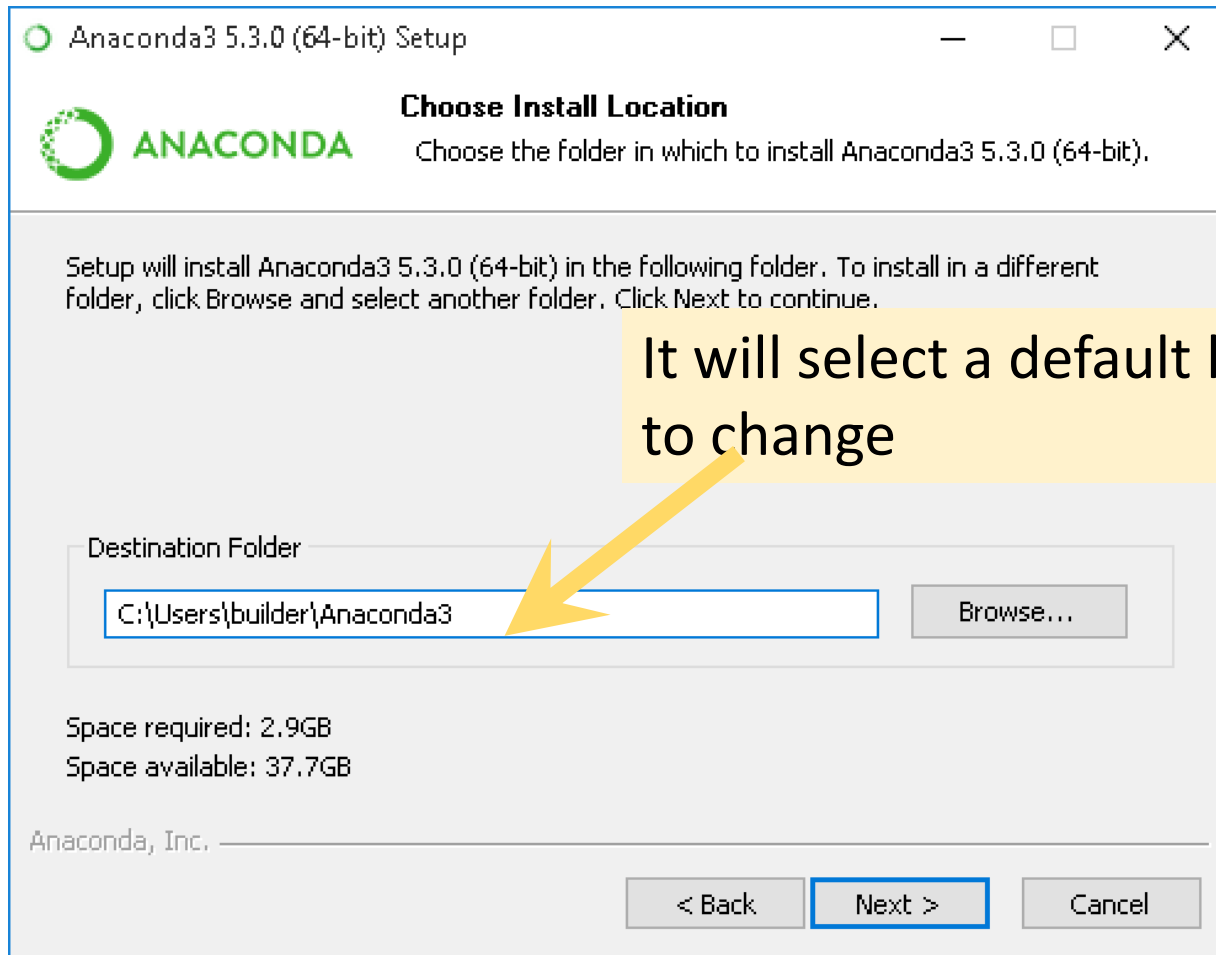
32-Bit Graphical Installer (509.7 MB)

Python 2.7 version

Download

64-Bit Graphical Installer (560.6 MB)

32-Bit Graphical Installer (458.6 MB)



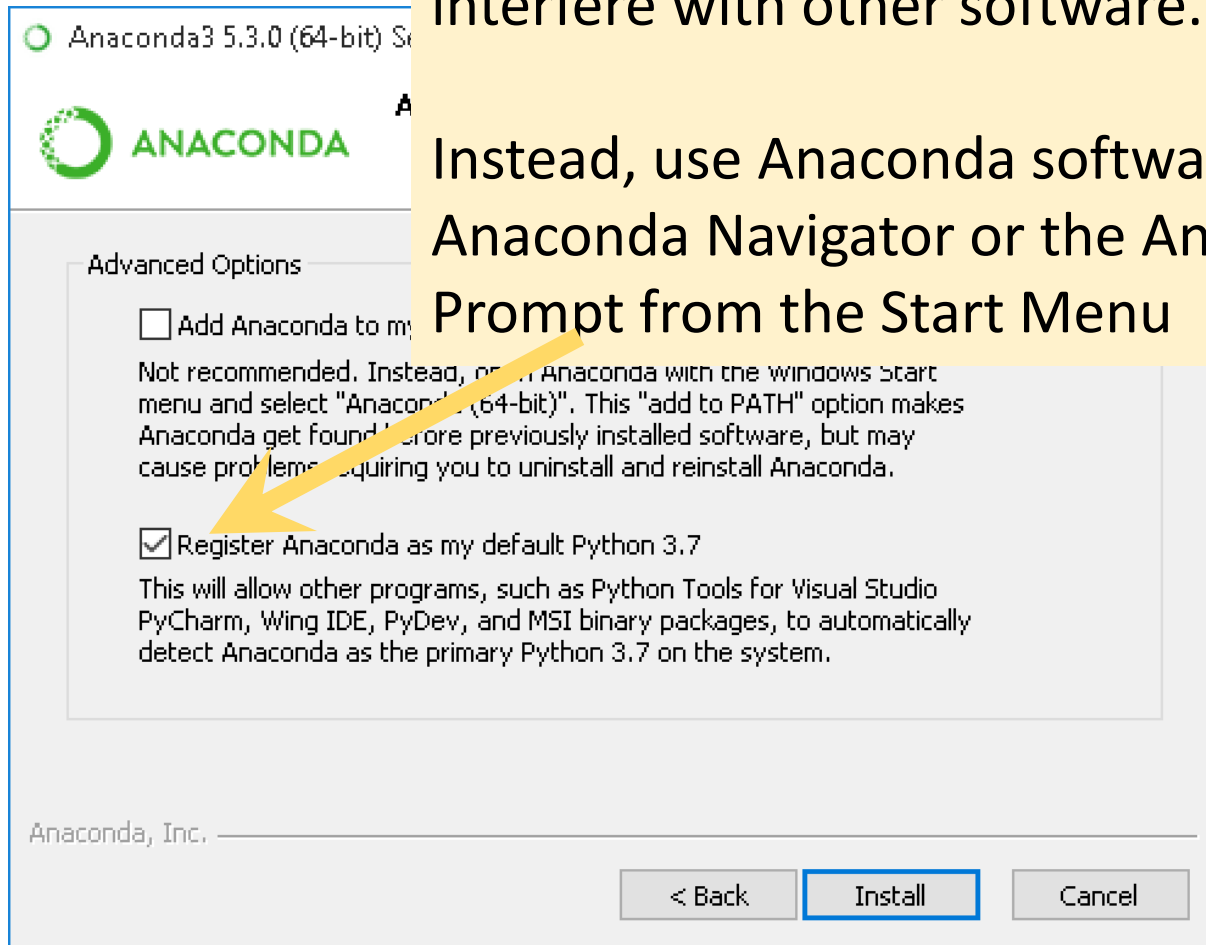
It will select a default location. No need to change

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**

A button with a shield icon and the text "Install Microsoft VSCode".

Anaconda, Inc.

< Back

Skip

Cancel



Anaconda2 5.0.1 (64-bit) Setup



ANACONDA

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

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< Back

Next >

Cancel



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

Be patient. This step takes awhile

< Back

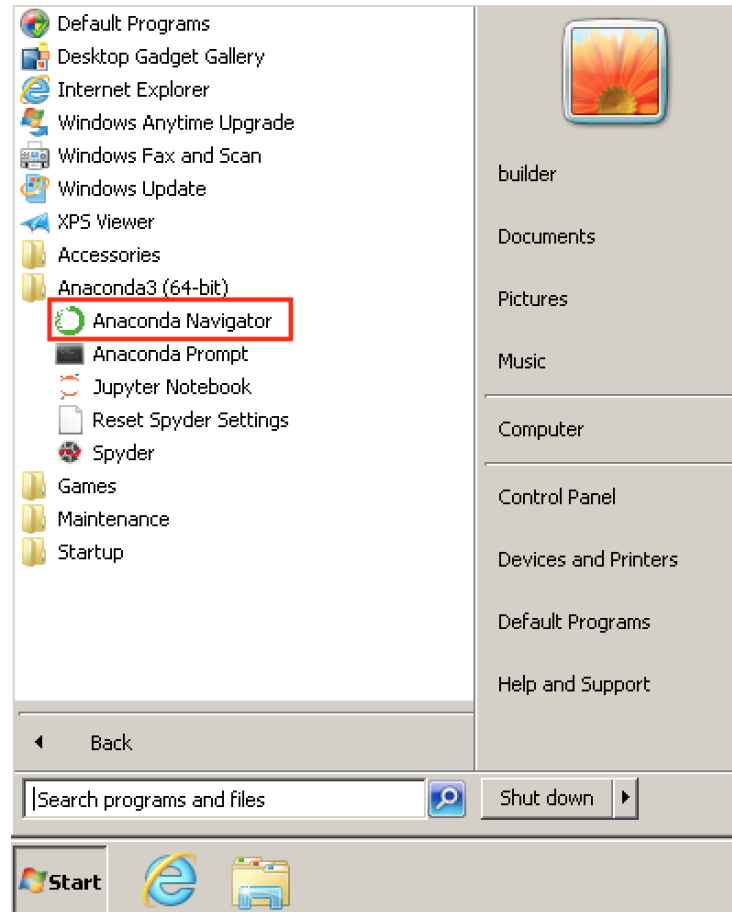
Finish

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



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.



orange3

3.19.0

Component based data mining framework. Data visualization and data analysis for novice and expert. Interactive workflows



rstudio

1.1.456

A set of integrated tools designed to help you be more productive with R. Includes R essentials and notebooks.

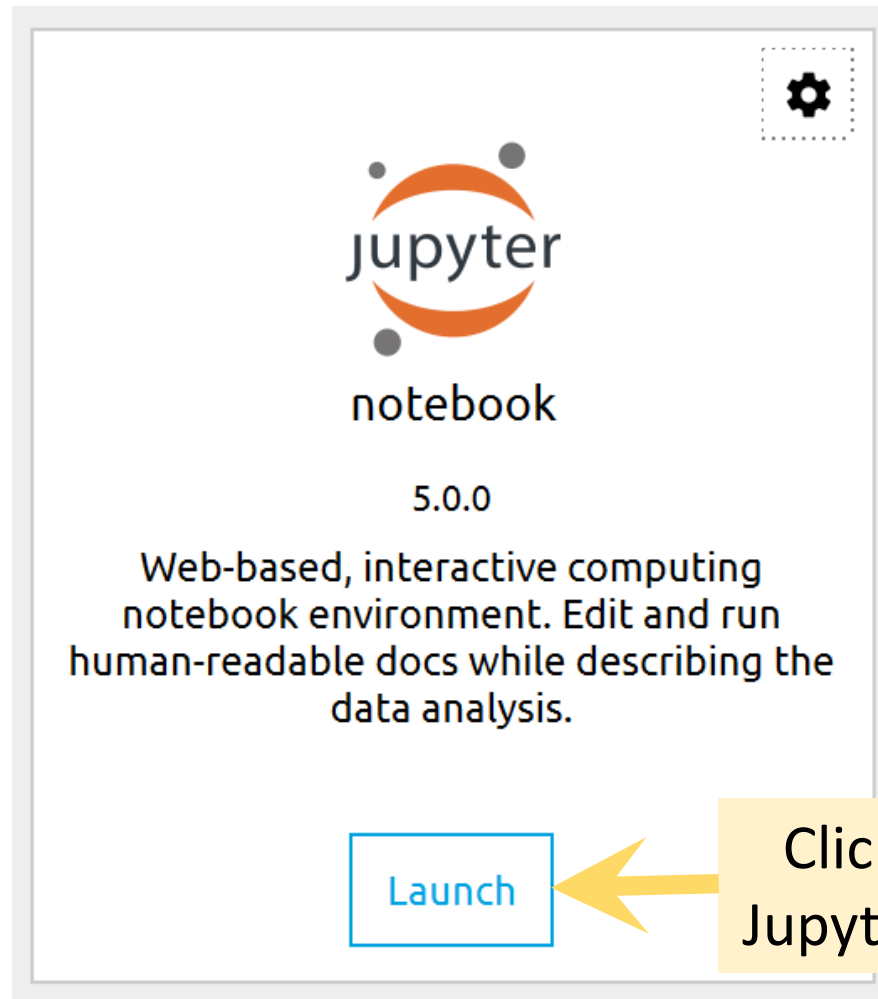


vscode

1.32.3

Streamlined code editor with support for development operations like debugging, task running and version control.

To run, open Anaconda Navigator



Click to launch
Jupyter notebook

How to use Jupyter

Saving/Loading Notebooks

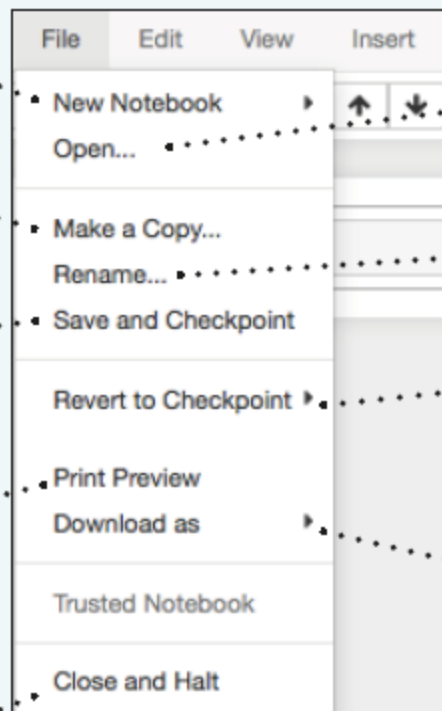
Create new notebook

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

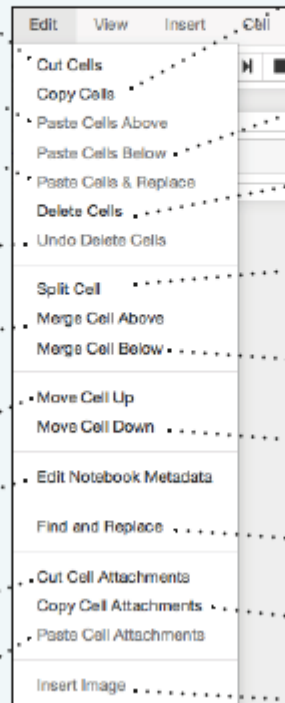
Merge current cell with the one below

Move current cell down

Find and replace in selected cells

Copy attachments of current cell

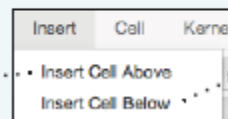
Insert image in selected cells



Insert Cells

Add new cell above the current one

Add new cell below the current one



Working with Different Programming Languages

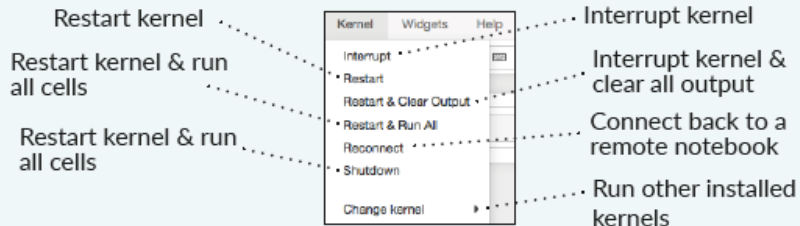
Kernels provide computation and communication with front-end interfaces like the notebooks. There are three main kernels:

IP[y]:
IPython

IR
IRkernel

IJ[.]
Julia

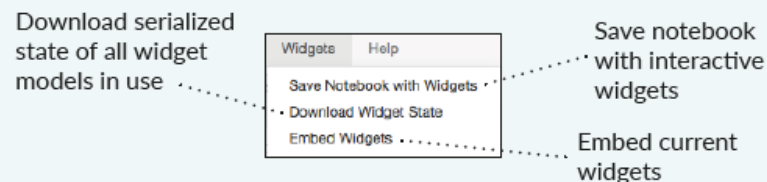
Installing Jupyter Notebook will automatically install the IPython kernel.



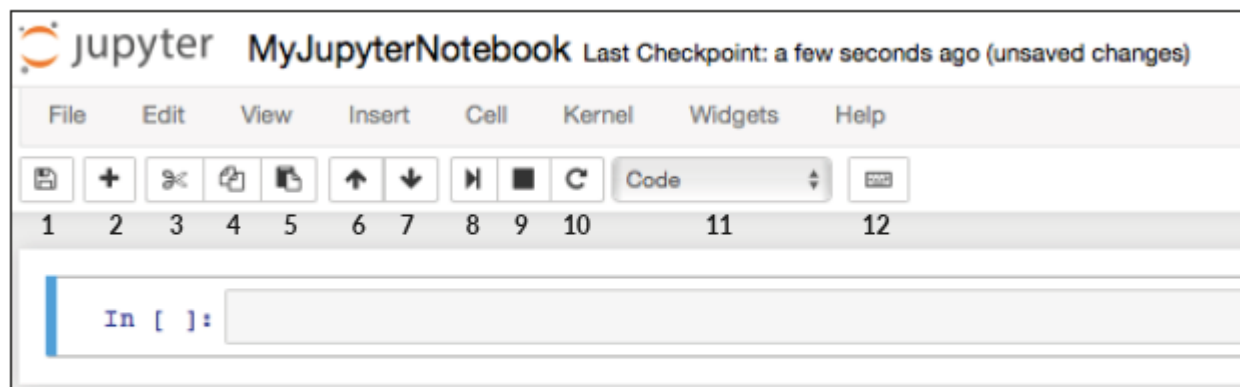
Widgets

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:



Executing Cells

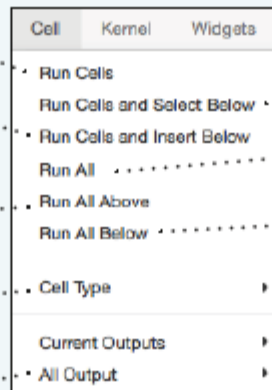
Run selected cell(s)

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

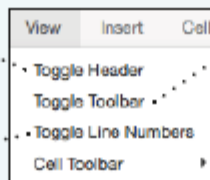
Run all cells below
the current cell

toggle, toggle
scrolling and clear
current outputs

View Cells

Toggle display of Jupyter
logo and filename

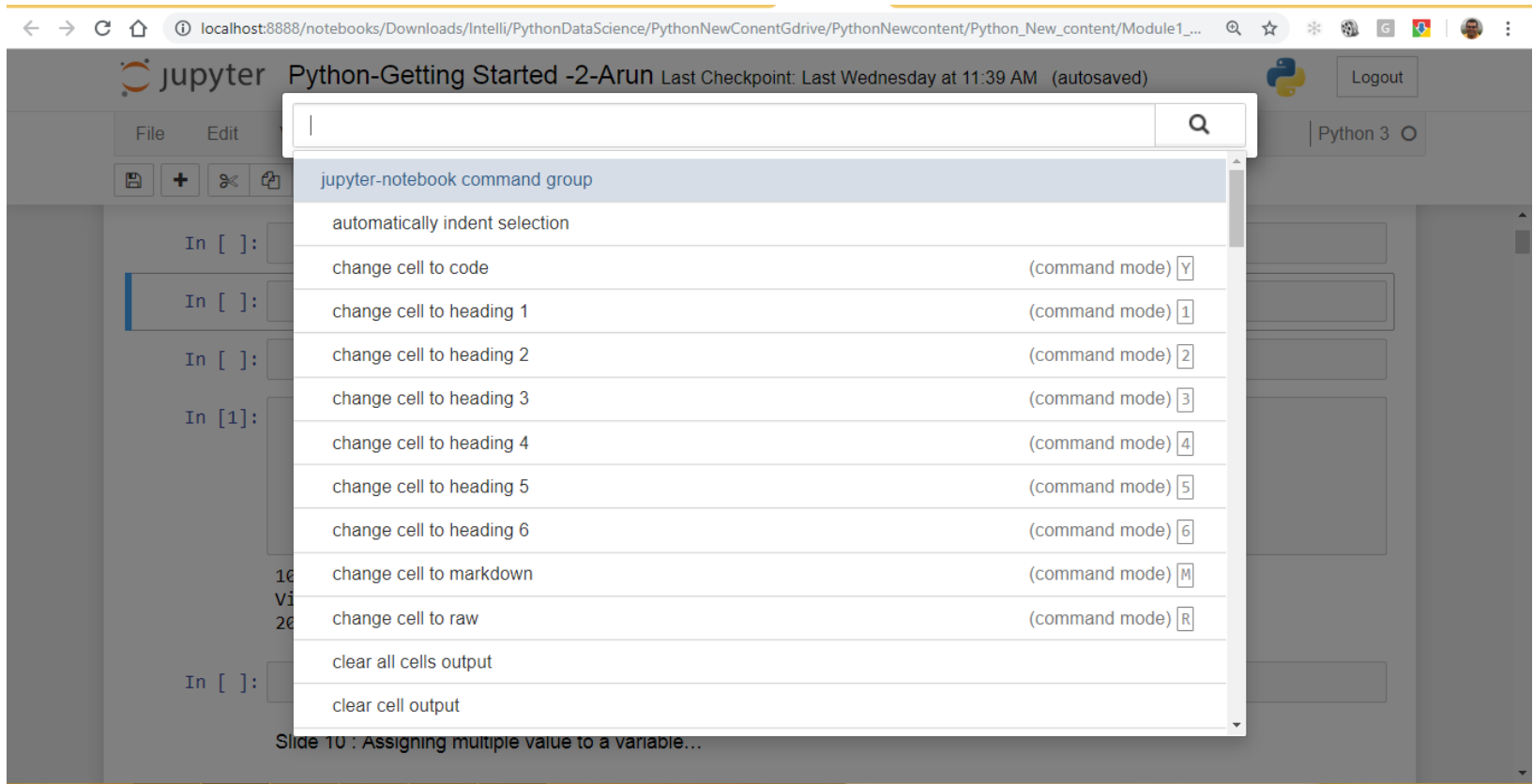
Toggle line numbers
in cells



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