- IPython kernel
- Notebook
- Notebook server

This tutorial will focus on Notebook extensions.

What Are Extensions?

A Notebook extension (`nbextension`) is a JavaScript module that you load in most of the views in the Notebook's frontend. If you are handy with JavaScri
DOM and the Jupyter JavaScript API.

Where Do I Get Extensions

You can use Google or search for Jupyte
most popular extension sets is called **ju**
a collection of extensions that is provide

How Do I Install Them?

Most Jupyter Notebook extensions can be installed using Python's `pip` tool. If you find an extension that can't be installed with `pip`, then you will likely have to use the following command:

Shell

```
$ jupyter nbextension install EXTENSION_NAME
```

This only installs the extension but does not make it active. You will need to enable an extension after installing it by running the following:

Shell

```
$ jupyter nbextension enable EXTENSION_NAME
```

You may need to restart your Jupyter Notebook kernel to see the extension.

There is a nice meta extension called **Jupyter NbExtensions Configurator** that is worth getting for managing other extensions. It allows you to enable and disable your extensions from within the Jupyter Notebook's user interface and also shows all the currently installed extensions.

Conclusion

The Jupyter Notebook is quite useful not only for learning and teaching a programming language such as Python but also for sharing your data.

You can turn your Notebook into a slideshow or share it online with GitHub. If you want to share a Notebook without requiring your users to install anything, you can use binder for that.

Google and Microsoft both have their own version of the Notebook that you can use to create and share your Notebooks at Google Colaboratory and Microsoft Azure Notebooks respectively. You can browse really interesting Notebooks there as well.

Project Jupyter recently launched their latest product, JupyterLab. JupyterLab incorporates Jupyter Notebook into an Integrated Development type Editor that you run in your browser. You can kind of think of JupyterLab as an advanced version of Jupyter Notebook. JupyterLab allows you to run terminals, text editors and code consoles in your browser in addition to Notebooks.

As always, it is best to try out a new piece of software yourself to see if it suits you and is worth using. I encourage you to give Jupyter Notebook or JupyterLab a spin and see what you think!

Further Reading