



# Getting Started with Python

- Interactive & Script mode



# 1. Jupyter with SYZYGY.CA

- Launch [yorku.syzygy.ca](https://yorku.syzygy.ca) with your preferred browser

The screenshot shows a web browser window for the URL [yorku.syzygy.ca](https://yorku.syzygy.ca). The page features a large central logo for "jupyter" with orange and grey abstract shapes. At the top right, there is a navigation bar with links for "ABOUT", "INTRO", "PARTNERS", and a red-bordered "SIGN-IN" button. A red arrow points from the text "Click here to login with your Passport York" to the "SIGN-IN" button. Below the logo, there is a section titled "Sign in with your York University account" featuring a red house icon with a "Log in" button. At the bottom of the page, there are links for "Terms and conditions / Privacy Policy".

YORKU.SYZYGY.CA

ABOUT INTRO PARTNERS SIGN-IN

jupyter

Click here to login with your **Passport York**

Sign in with your York University account

Log in

Terms and conditions / Privacy Policy



## 2. Jupyter with Google Colab



- Launch <https://colab.research.google.com/> with any preferred

Any of the buttons will require you to login with your Google account

### 3. Local host: python-jupyter



#### Installing python

1. Visit [python.org](https://www.python.org) to download the latest version (**<3.12 recommended**)
2. Run the Installer
3. **Important:** Check the box that says “Add Python to PATH” before clicking “Install Now”
4. To verify: open command prompt and type “python --version” or “python”

# Cont'd

## Installing Jupyter

- **Important:** Unlike yorkusyz & Google Colab this method doesn't have pre-installed libraries (usually called modules in Python), so you'll have to install them yourself
1. In your command prompt, run “pip install jupyter”
  2. After successful installation, type “jupyter lab” to launch jupyter in your browser

# Additional Options

- Other open-source packages/IDEs or distributions that you can use
- **VS Code:** Free by Microsoft. Can install Jupyter extension to have an interactive environment 
- **Anaconda:** Open-source Python and R distribution. It is advisable to use it alone and not with any other package as you can encounter version mismatch. (NB: Personally, I won't recommend it) 
- **Miniconda (Conda):** A command-line tool by “ANACONDA” to manage packages and environments. It can be used without installing ANACONDA. However, it is resource heavy and only recommended when using fast GPUs