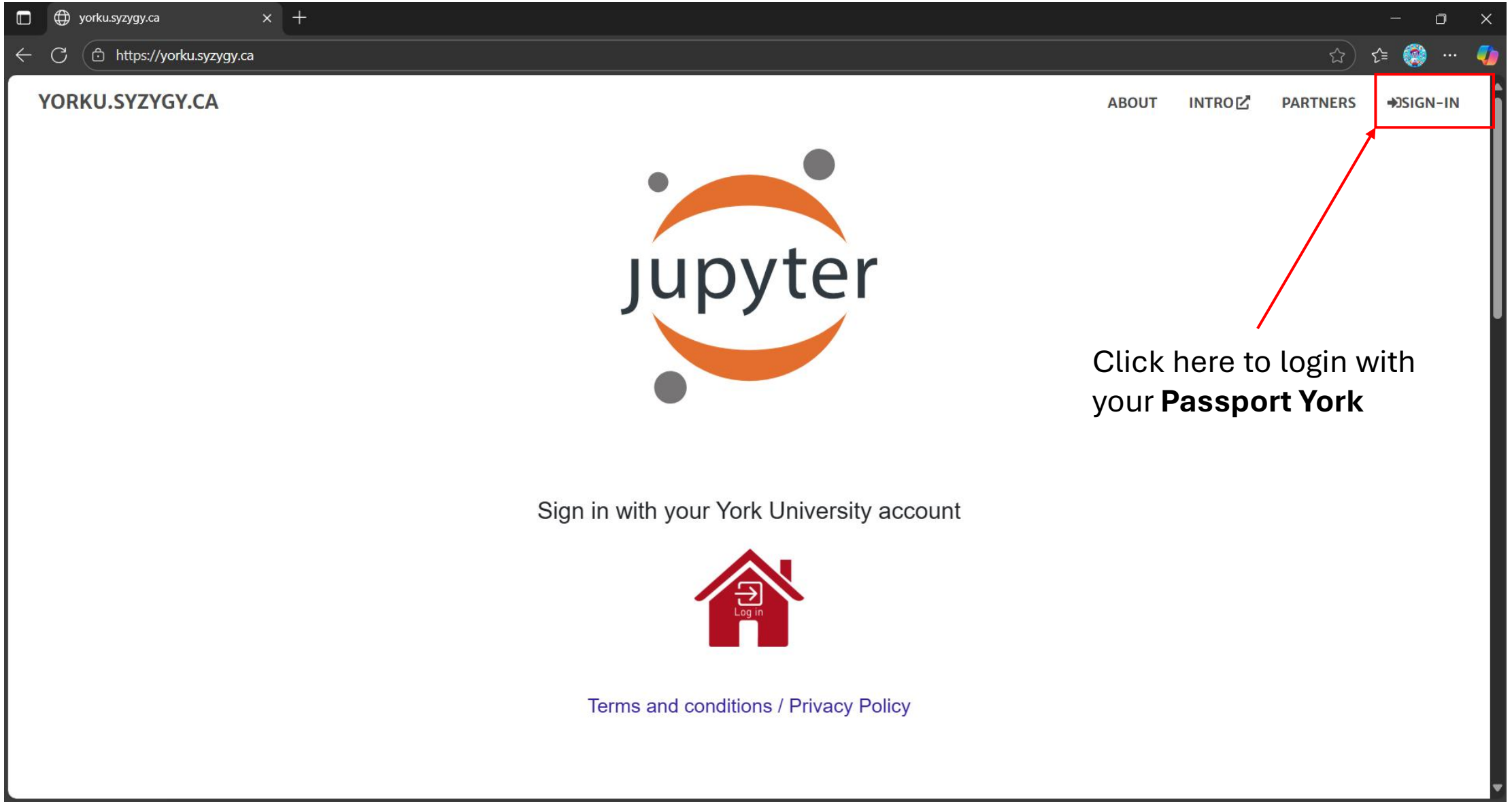
Getting Started with Python

- Interactive & Script mode

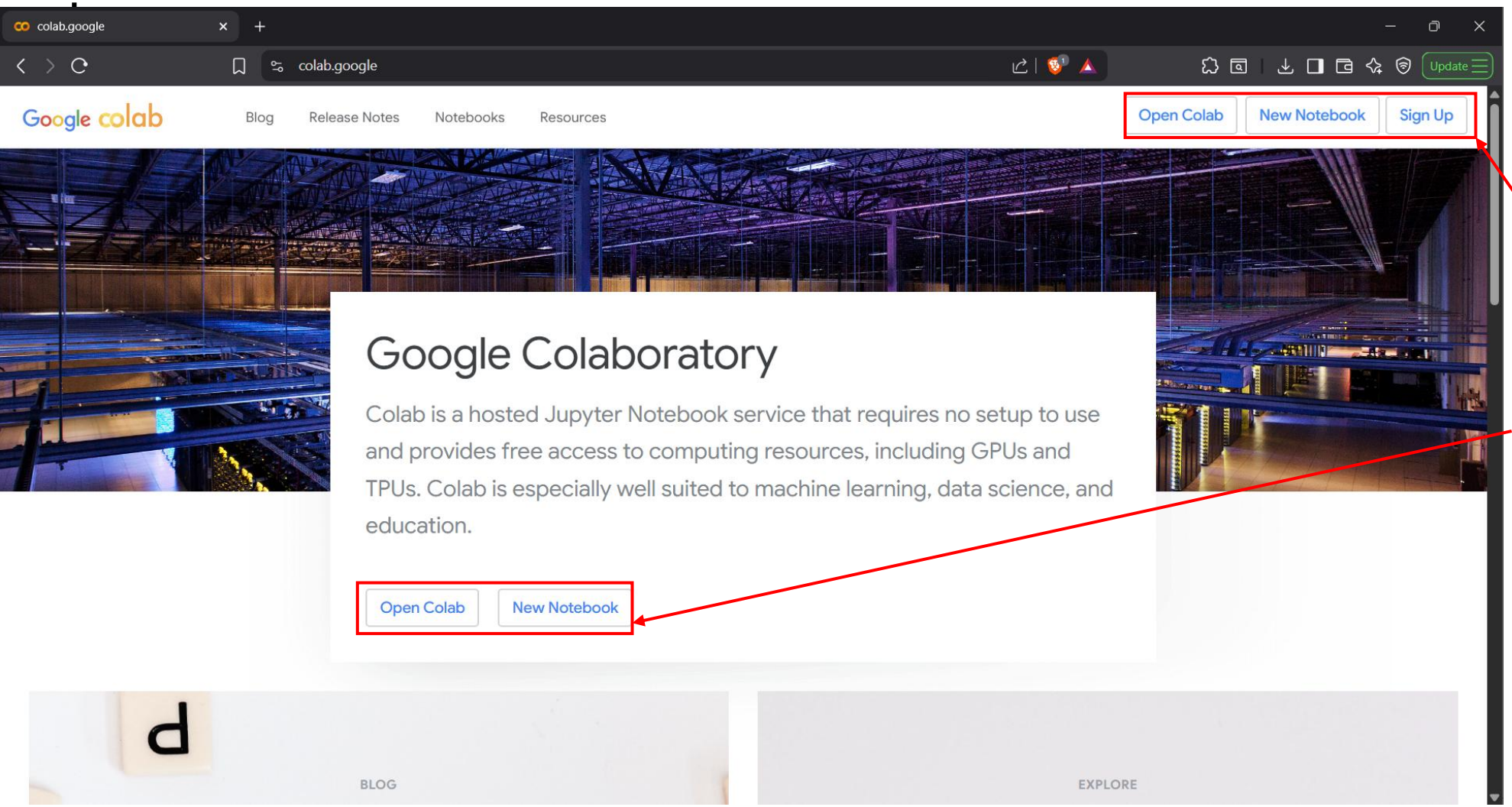
1. Jupyter with **SYZYGY.CA**

- Launch yorku.syzygy.ca with your preferred browser



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 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

ANACONDA