

A Friendly Introduction to Python for Absolute Beginners – Setup

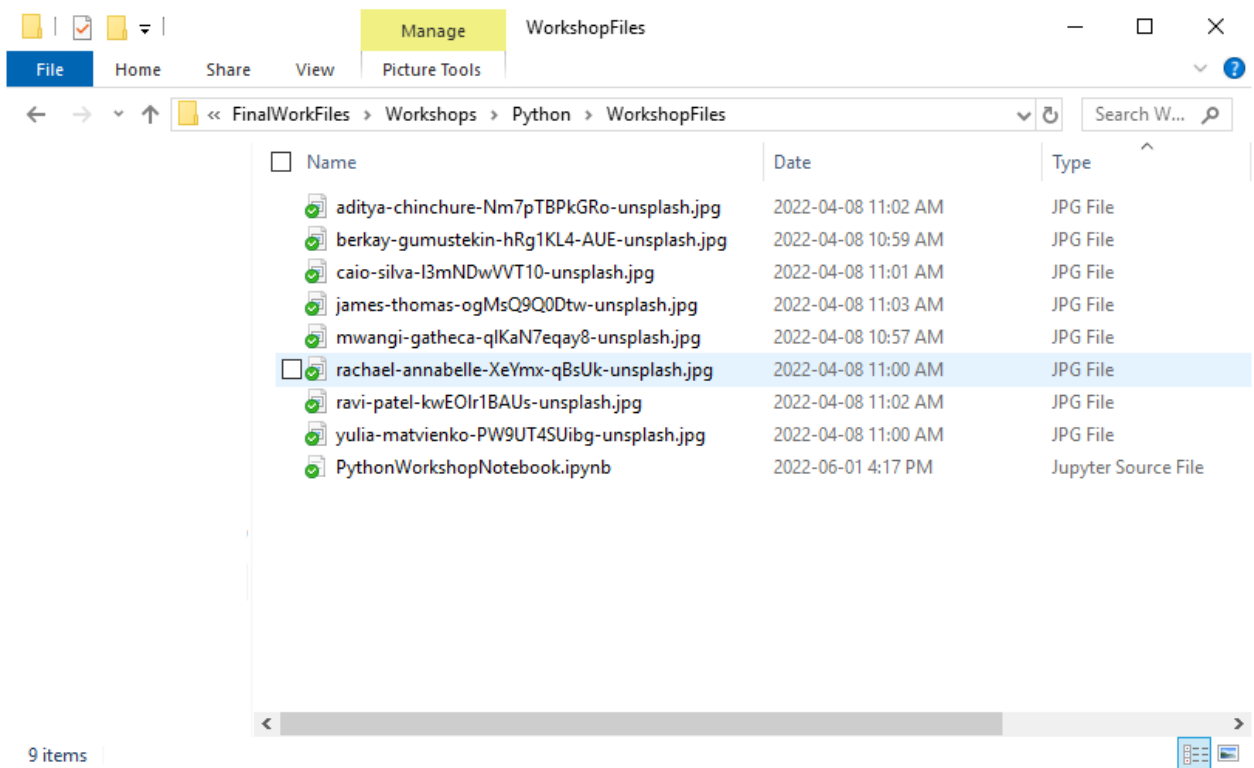
Thank you for registering for this workshop.

Before the workshop begins, please follow the instructions below to prepare:

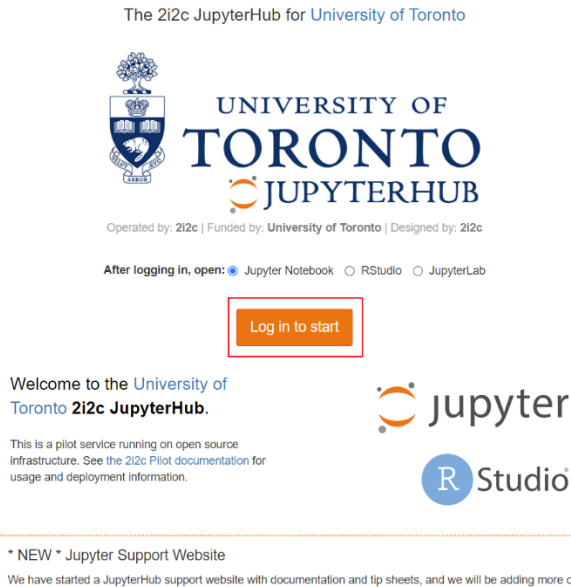
Download the notebook and photos we will be using for the workshop and upload them to your Uoft Jupyter Hub Account following these steps:

1. [Download a zip file](#) containing all the files you will need for the workshop.
2. Extract the files where you want to save them (it should create a WorkshopFiles folder). There should be 8 jpg files and one notebook file called “PythonWorkshopNotebook.ipynb” in the folder.

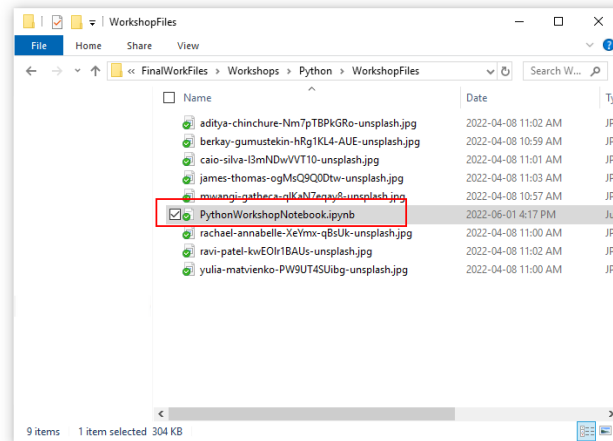
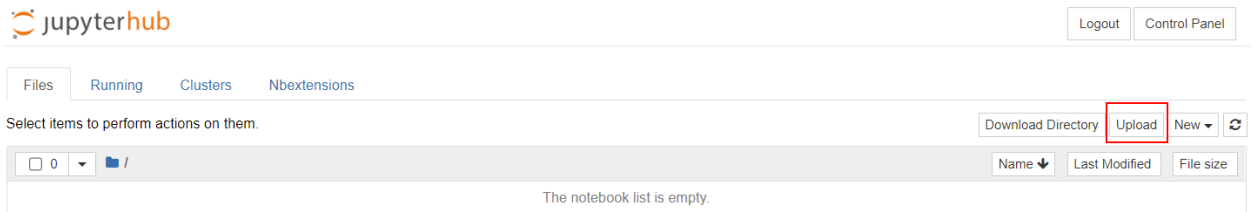
Note: Different computers have different setups. On a Mac, just double-click on the file to extract its files. On a PC, you might want to first install a great little program called [7-Zip](#) (if you don't already have it!). Then you should be able to right click on the zip file and select 7-Zip, then Extract Here to extract its files.



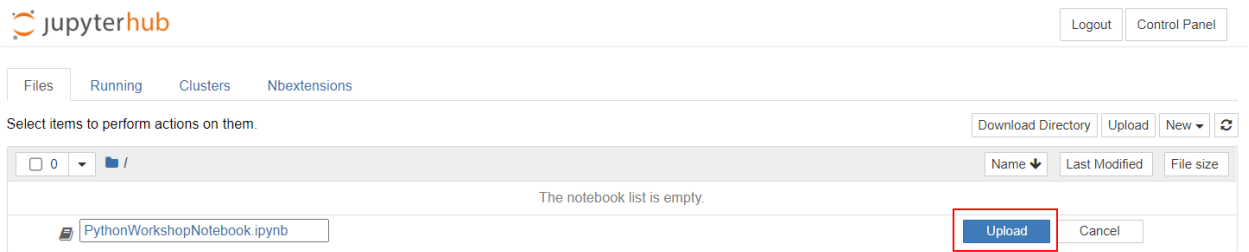
- Go to <https://jupyter.utoronto.ca/hub/login> and login using your UTORID credentials.



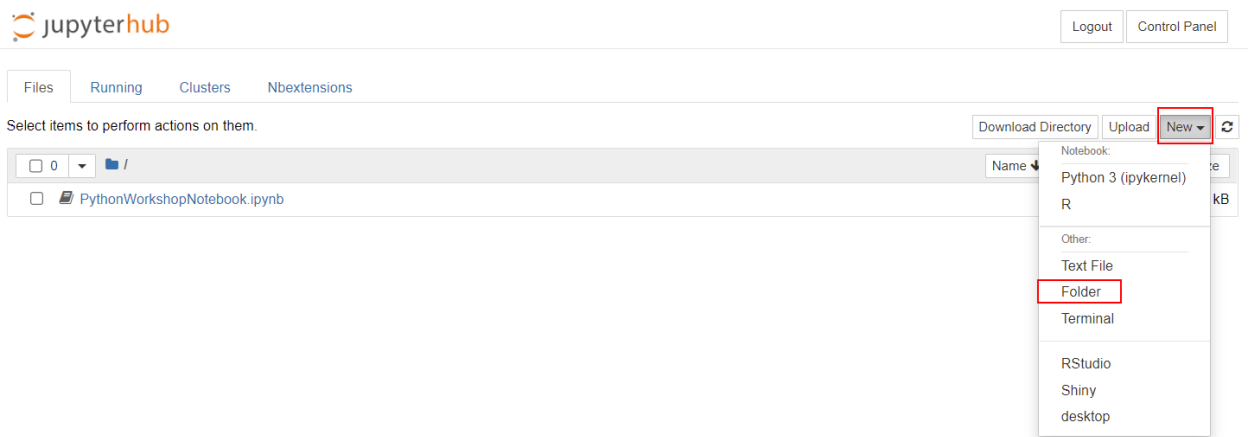
- Once logged in, click on *Upload* on the top right. Browse to your extracted workshop files, select the “PythonWorkshopNotebook.ipynb” file, and click on *Open*.



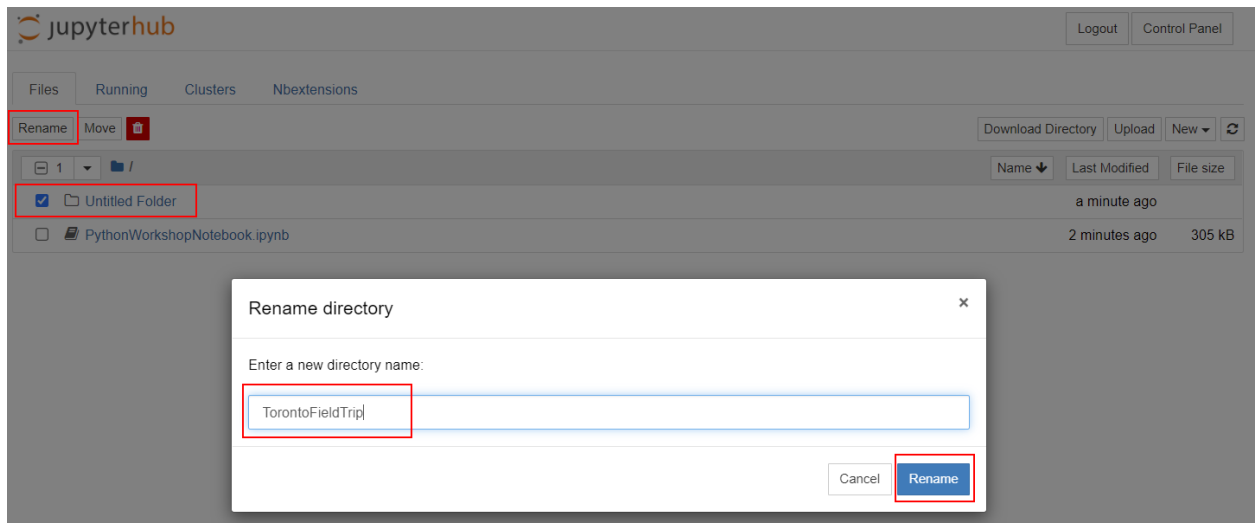
5. Then click on the blue *Upload* button next to the file name to complete the upload.



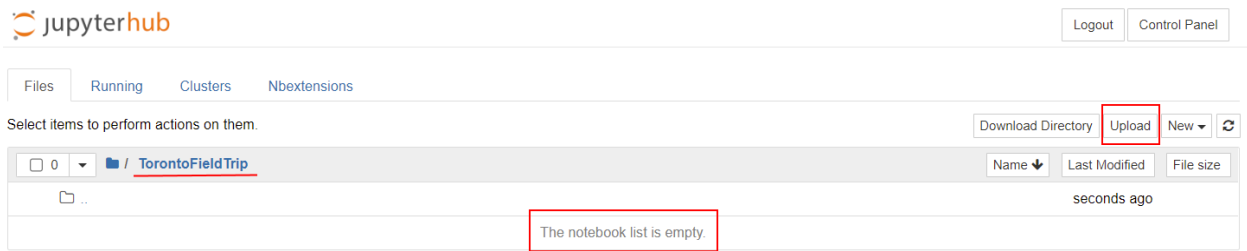
6. Next, we need to create a new folder to hold all our photos and then upload them into the folder. Click on *New* on the top right (next to Upload) and select *Folder*. This should create a new Untitled Folder.



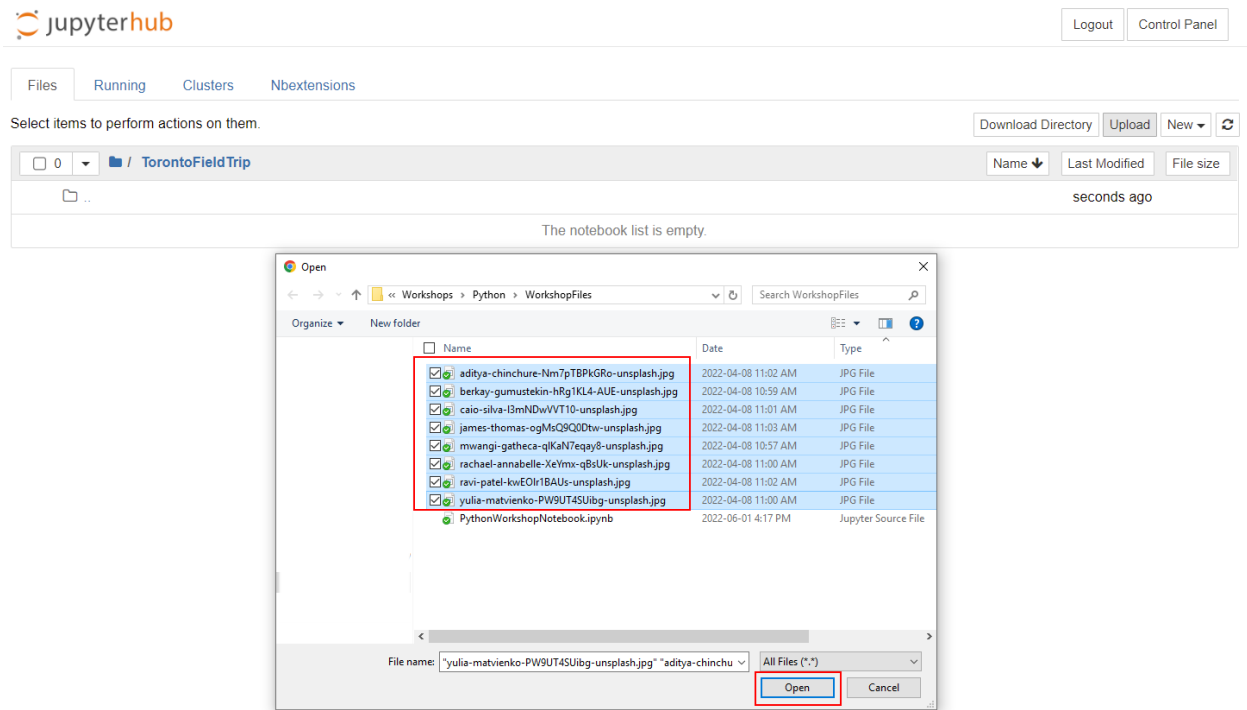
7. Put a checkmark next to the Untitled Folder, and then click on *Rename* at the top left, just above your files and folders list. Type in "TorontoFieldTrip" (no spaces) and then click on the blue *Rename* button.



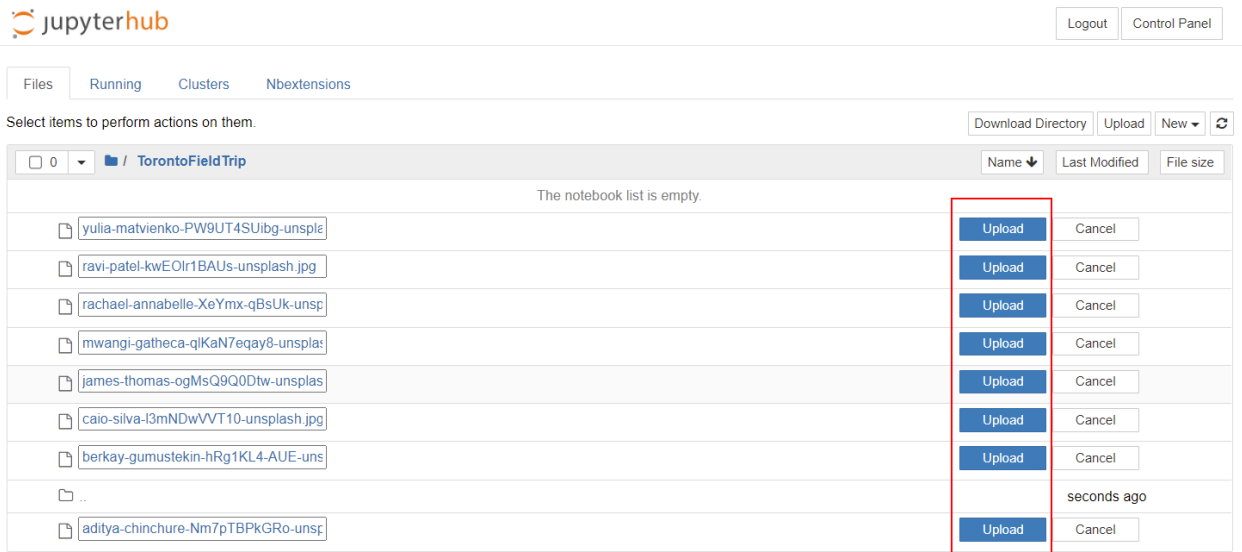
8. Click on the *TorontoFieldTrip* folder to open it. It should be empty to start. Click on *Upload* on the top right again.



9. Browse to your extracted workshop files, and select all the photos (i.e., the .jpg files). You can upload each file one at a time, or you can highlight multiple files to upload them all at once. Then click on *Open*.



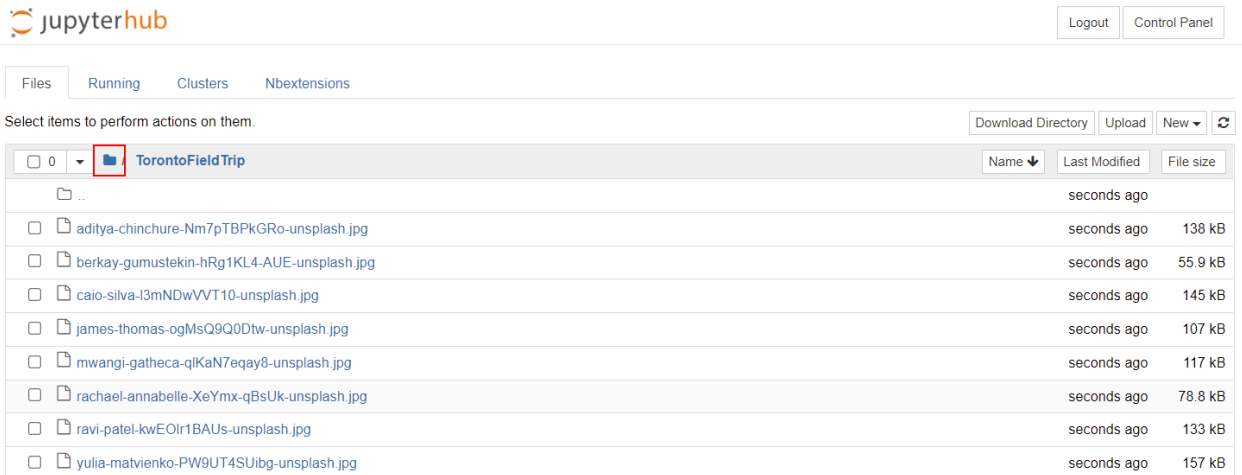
10. You will need to click on each blue *Upload* button next to each file name to complete the upload. Do that for all eight photo files.



The screenshot shows the JupyterHub interface with the 'TorontoFieldTrip' directory selected. The file list is as follows:

Name	Last Modified	File size
The notebook list is empty.		
<input type="checkbox"/> yulia-matvienko-PW9UT4SUIbg-unspl...		
<input type="checkbox"/> ravi-patel-kwEOlr1BAUs-unsplash.jpg		
<input type="checkbox"/> rachael-annabelle-XeYmx-qBsUK-unspl...		
<input type="checkbox"/> mwangi-gatheca-qIKaN7eqay8-unspl...		
<input type="checkbox"/> james-thomas-ogMsQ9Q0Dtw-unsplas		
<input type="checkbox"/> caio-silva-l3mNDwVVT10-unsplash.jpg		
<input type="checkbox"/> berkay-gumustekin-hRg1KL4-AUE-uns		
<input type="checkbox"/> ..	seconds ago	
<input type="checkbox"/> aditya-chinchure-Nm7pTBPkGRo-unspl...		

11. Click on the *blue file folder icon* above your list of files to go back to your main directory.



The screenshot shows the JupyterHub interface with the 'TorontoFieldTrip' directory selected. The file list is as follows:

Name	Last Modified	File size
<input type="checkbox"/> ..	seconds ago	
<input type="checkbox"/> aditya-chinchure-Nm7pTBPkGRo-unsplash.jpg	seconds ago	138 kB
<input type="checkbox"/> berkay-gumustekin-hRg1KL4-AUE-unsplash.jpg	seconds ago	55.9 kB
<input type="checkbox"/> caio-silva-l3mNDwVVT10-unsplash.jpg	seconds ago	145 kB
<input type="checkbox"/> james-thomas-ogMsQ9Q0Dtw-unsplash.jpg	seconds ago	107 kB
<input type="checkbox"/> mwangi-gatheca-qIKaN7eqay8-unsplash.jpg	seconds ago	117 kB
<input type="checkbox"/> rachael-annabelle-XeYmx-qBsUK-unsplash.jpg	seconds ago	78.8 kB
<input type="checkbox"/> ravi-patel-kwEOlr1BAUs-unsplash.jpg	seconds ago	133 kB
<input type="checkbox"/> yulia-matvienko-PW9UT4SUIbg-unsplash.jpg	seconds ago	157 kB

12. And that's it! You're ready for the workshop!

13. When the workshop begins, log into UofT's Jupyter Hub again and click on the "PythonWorkshopNotebook.ipynb" file to open it. It should open up in a new browser tab.

The screenshot shows the Jupyter Hub interface. At the top, there is a navigation bar with "jupyterhub" logo and "Logout" and "Control Panel" buttons. Below this is a menu with "Files", "Running", "Clusters", and "Nbextensions". A message says "Select items to perform actions on them." with buttons for "Download Directory", "Upload", "New", and a refresh icon. A file browser table shows a directory structure with "TorontoFieldTrip" and "PythonWorkshopNotebook.ipynb" (highlighted with a red box). The file "PythonWorkshopNotebook.ipynb" is 305 kB and was modified 7 minutes ago. Below the file browser is a menu with "File", "Edit", "View", "Insert", "Cell", "Kernel", "Widgets", and "Help". The notebook content is displayed in a frame with a "Trusted" label and "Python 3 (ipykernel)" text. The notebook content includes a title "A Friendly Introduction to Python for Absolute Beginners", authors "Kelly Schultz, Data Visualization Librarian" and "Kara Handren, Data Librarian", and an email "mdl@library.utoronto.ca". The main content has sections: "Introduction and Housekeeping" with a list of instructions (mute mic, follow setup instructions, recording notice), "A note on Sources" with a paragraph about Constellate, and "Welcome to our Workshop on Python!" with a paragraph about the workshop environment and a note about sharing answers.

14. We will be walking you through this file during the workshop, and you will be able to run code and complete activities from within this file.