

Cambridge Elements



Jupyter Notebooks:
Author Guide for Elements



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Cambridge University Press supports cloud hosted Jupyter notebooks alongside its publications. Cloud hosting is supported by our partner [CoCalc](#). These notebooks are intended to be supplementary to your Element and will be available to anyone with the sharing URL for your notebooks.

Plan for Notebooks and Your Manuscript

We plan to make your notebooks available as downloadable resources from your Element's landing page on the Cambridge University Press website for readers who buy the print Element or eBooks in Kindle or Adobe format.

In addition, we plan to insert direct links in the eBook formats hosted on Cambridge Core to the cloud hosted notebooks on CoCalc.

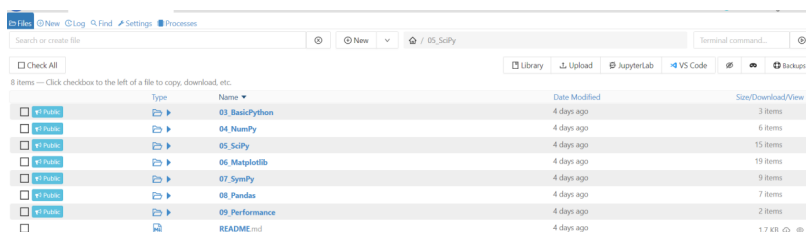
In your manuscript you should include text at the point at which the notebooks are needed. This text should be appropriate for both the online version and the print version. So it should not say 'click on the link below' or 'go to this location to download', but rather something describing, briefly, the lab/notebook. In the online version we will add a link after this text.

Writing and Structure Guide

It is important that you ensure that you use only [CoCalc supported Python libraries](#) in your notebooks.

The maximum project size (all notebooks and files across all directories) is 3GB.

Organise notebooks and data or supporting files by section. All files should be grouped by section. Here is an example of a well organised submission.



type	Name	Date Modified	Size/Download/View
	05_SciPy.ipynb	4 days ago	1.2 MB
	fig_5_10.pdf	4 days ago	14.5 KB
	fig_5_11.pdf	4 days ago	14.4 KB
	fig_5_12.pdf	4 days ago	14.1 KB
	fig_5_1_a.pdf	4 days ago	/ KB
	fig_5_1_b.pdf	4 days ago	7.7 KB
	fig_5_2.pdf	4 days ago	6.5 KB
	fig_5_3.pdf	4 days ago	17.3 KB
	fig_5_4.pdf	4 days ago	18.6 KB
	fig_5_5.pdf	4 days ago	17.2 KB
	fig_5_6.pdf	4 days ago	9.9 KB
	fig_5_7.pdf	4 days ago	17 KB
	fig_5_8.pdf	4 days ago	42 KB
	fig_5_9.pdf	4 days ago	7.4 KB

CoCalc Documentation

Projects will be set up as Python 3 by default, so please only use libraries supported by CoCalc as Python 3: <https://cocalc.com/software/python>

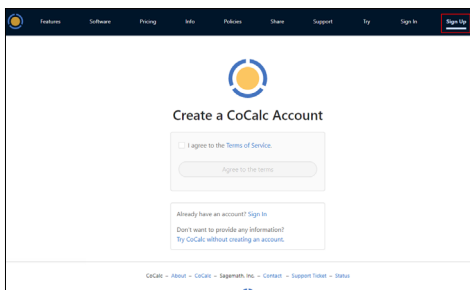
Full documentation can be found at: <https://doc.cocalc.com>

Loading Jupyter Notebooks to CoCalc

You will need to load your notebooks to CoCalc and check that they run as expected in the CoCalc environment.

Cambridge will set up a CoCalc project for your book. We will add you as a collaborator on the project so that you can load your notebooks and any accompanying files.

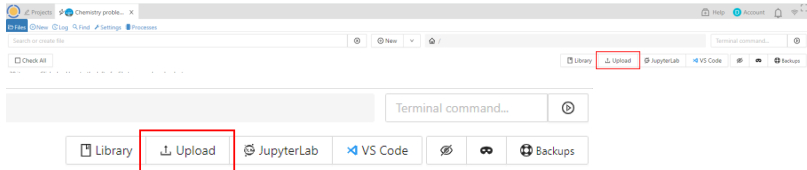
You will need to create a CoCalc account by signing up on CoCalc’s website (<https://cocalc.com/auth/sign-up>) in order to upload your notebooks and ensure that they work as expected once loaded.



Files can be uploaded to CoCalc projects in a number of ways. The two simplest are a file upload or drag and drop. In this context, your Element is a ‘project’.

File upload through the CoCalc taskbar

Click the “upload” button at the top left of the project screen (or within a directory) and use the browser pop out to select files to load.



Drag and drop

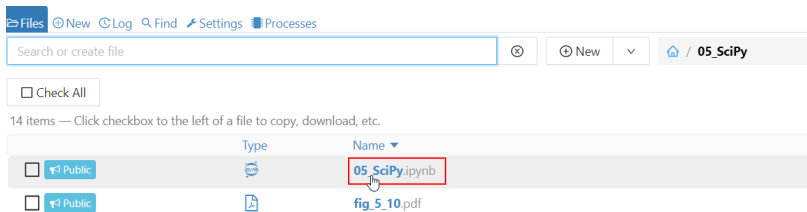
Select files (and/or folders) for upload from your computer and drag into the browser window running the CoCalc project.

Other upload options are available, please see the CoCalc documentation:

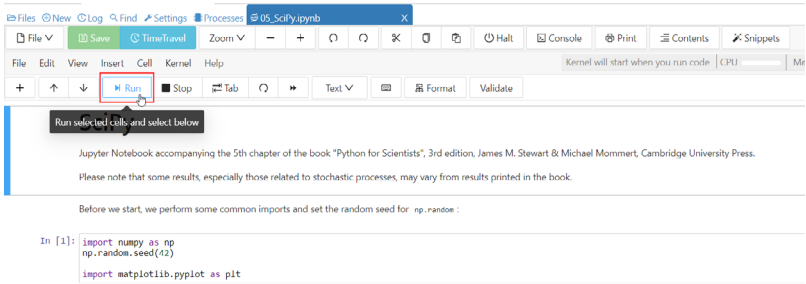
<https://doc.cocalc.com/howto/upload.html>

Notebook Testing Instructions

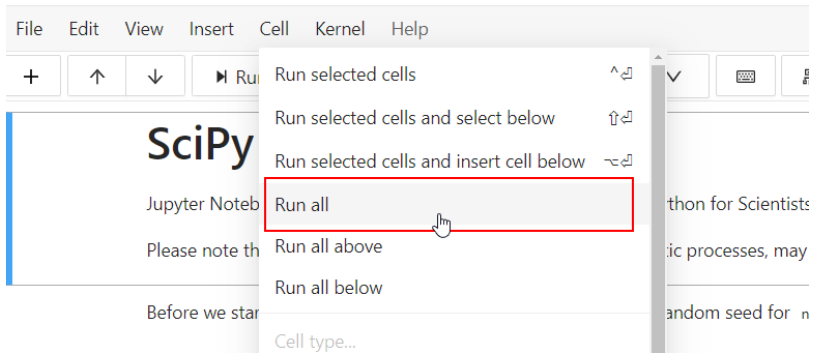
To run a notebook in CoCalc, click on the name of the notebook file.



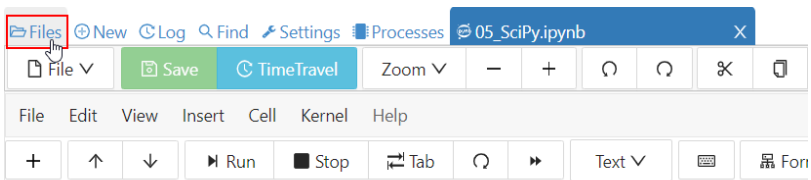
The notebook will open in a new CoCalc tab in the same browser tab. You can run individual cells using the “Run” button in the top bar. You can also use Jupyter Notebook keyboard shortcuts to run cells (e.g. Shift + Enter or Ctrl + Enter).



You can also use the Cell > Run all instruction from the menu bar to run the entire notebook.



To return to the project folder once you have run a notebook, you can click “Files” in the CoCalc tab navigator. Alternatively, you can close the notebook tab.



To find out more and browse available Elements, visit

cambridge.org/elements