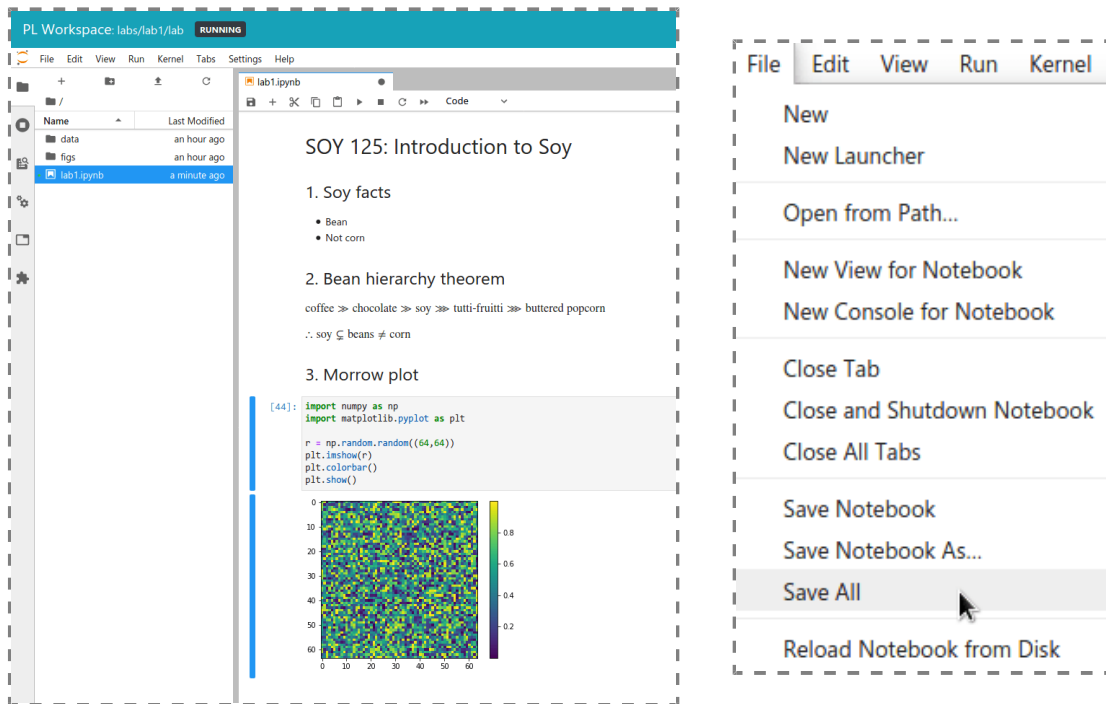


Exporting a Jupyter Notebook to HTML with Embedded Images

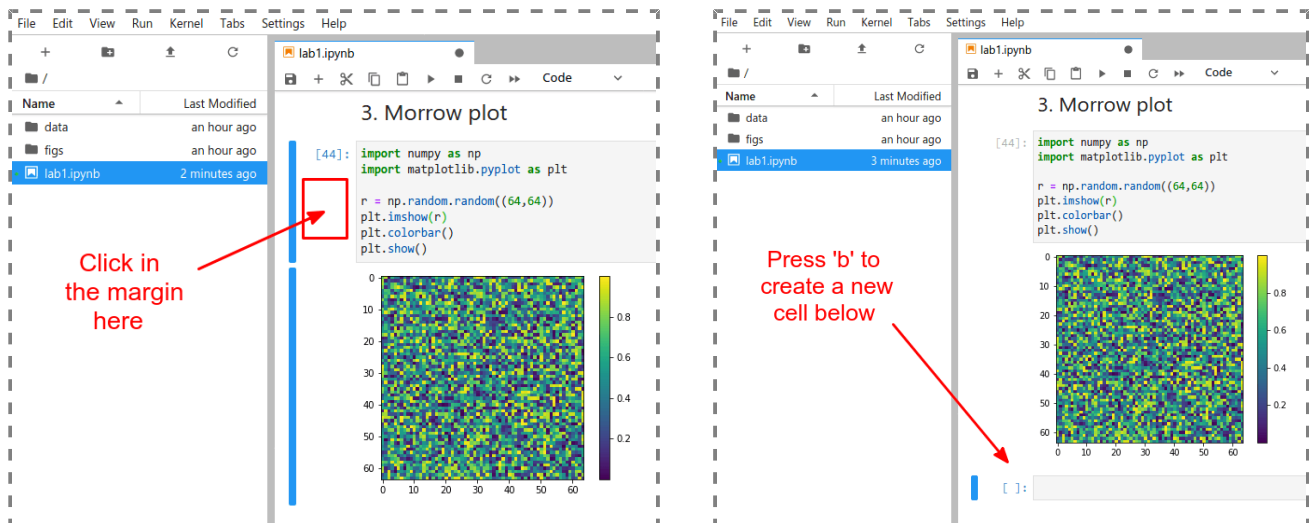
20201114 Eric Huber - CS Instructional Design Team

This tutorial shows you how to export a notebook to PDF exactly as it looks in your Jupyter Notebook workspace. Suppose your finished notebook looks like just like the one below, for reference. Before doing anything else, make sure that you've saved your notebook by going to File > Save All in the notebook workspace.



You may want to make a backup duplicate of your notebook too. You can download a copy of your notebook as-is by right-clicking on the `ipynb` file and choosing Download.

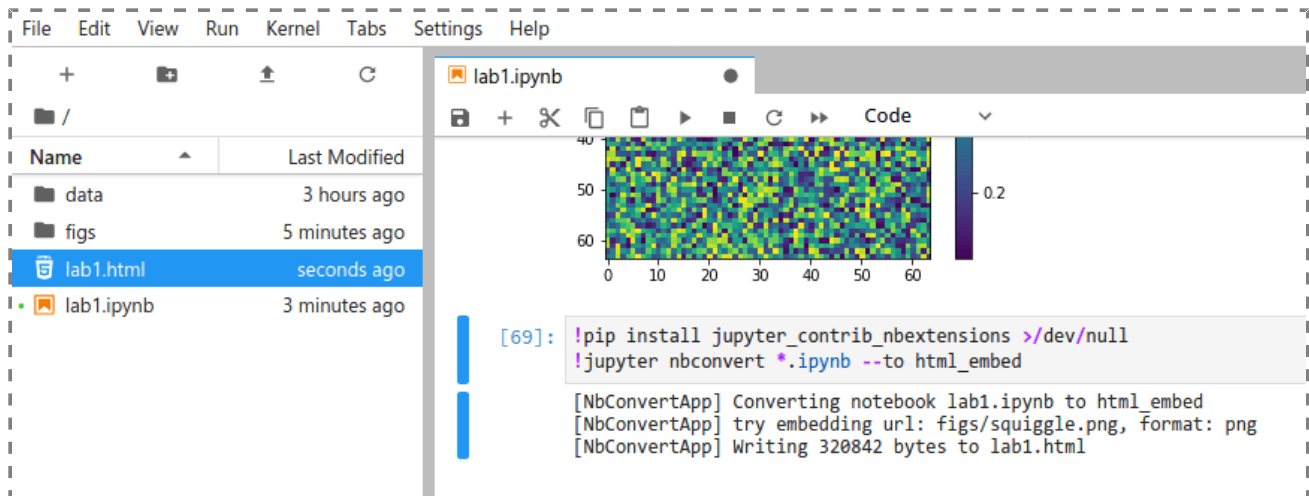
Find the last cell in your notebook and click in the margin to the left of it. This selects the cell without selecting the text in it. Then, press the "b" key. This creates a new cell below.



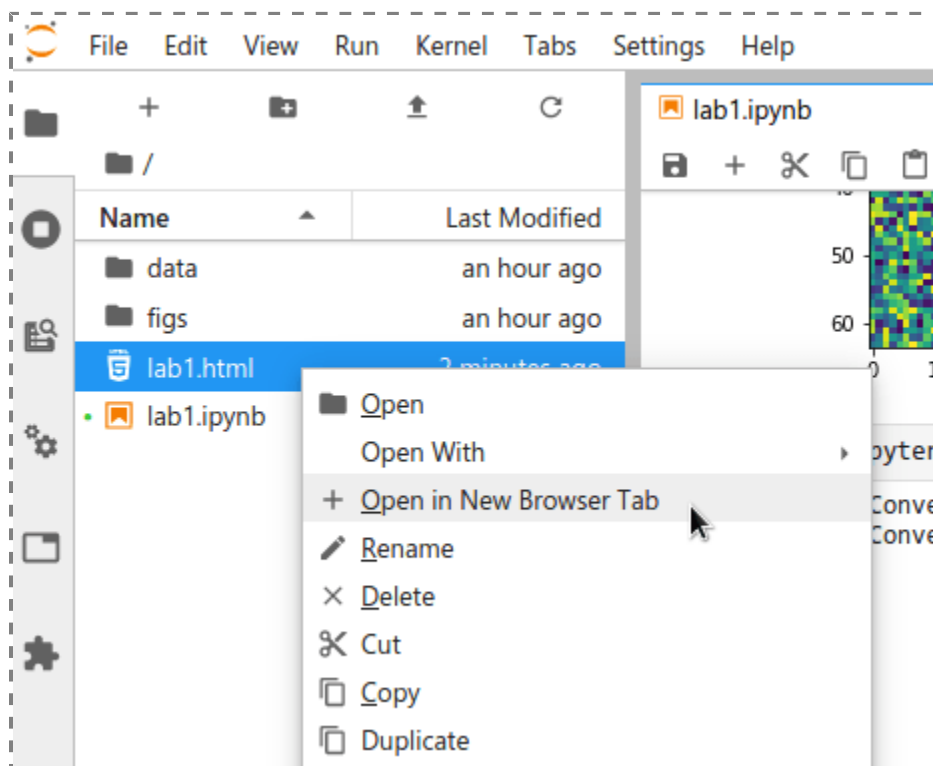
Make sure the type of the new cell is set to "Code" in the toolbar (not "Markdown"), and then enter the following code snippet. The initial exclamation marks are important, so please enter it exactly:

```
!pip install jupyter_contrib_nbextensions >/dev/null
!jupyter nbconvert *.ipynb --to html_embed
```

Now, if you run the new code cell, it will process for about a minute, and then an HTML file will be created in your file manager.



You can right-click on the new HTML file and choose "Open in New Browser Tab".



If everything worked out, then you should see a copy of your work in a new browser tab with all of the embedded images intact, as well as *L^AT_EX*:

SOY 125: Introduction to Soy

1. Soy facts

- Bean
- Not corn

2. Bean hierarchy theorem

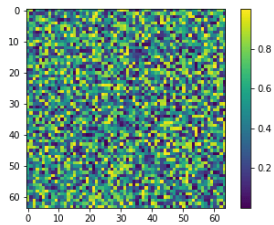
coffee \gg chocolate \gg soy \gg tutti-fruitti \gg buttered popcorn

\therefore soy \subsetneq beans \neq corn

3. Morrow plot

```
In [44]: import numpy as np
import matplotlib.pyplot as plt

r = np.random.random((64,64))
plt.imshow(r)
plt.colorbar()
plt.show()
```



You should now be able to use File > Print in your browser and use the option "Print to File" (Firefox) or "Save as PDF" (Chrome) in the print dialog box to save the document as a PDF file on your own computer. You may need to adjust the print settings for scaling to prevent overflow on the sides.

SOY 125: Introduction to Soy

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- Not corn

2. Bean hierarchy theorem

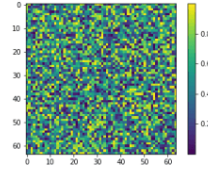
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```
In [73]: !pip install jupyter_contrib_nbextensions >/dev/null
!jupyter nbconvert *.ipynb --to html_embed

[NbConvertApp] Converting notebook lab1.ipynb to html_embed
[NbConvertApp] Writing 389467 bytes to lab1.html
```

Print 1 page

Destination Save as PDF

Pages All

Layout Portrait

More settings ^

Paper size Letter

Pages per sheet 1

Margins Default

Scale Custom

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Options Headers and footers Background graphics

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