I researched a few methods of publishing Jupyter Notebook figures locally (Voila) or online (Binder and Google Colab). Below are the steps to use/set up each method.

I. Voilà
- local host
- should already have Python anaconda environment (I used it for Jupyter Notebook). If you don't have it yet, you can download it [here](#)
- more command-line options like showing source code (--strip_sources=False), changing theme/template (--theme=dark), etc.

I followed [this](#) guide but I will summarize the steps below.
in terminal:
1. "pip install Voila" or "conda install -c conda-forge"
2. "voila fileName.ipynb"

I referenced [this article](#) to find ways to publish the Jupyter Notebook script for my graphs. I tried the first and third methods. I don't know how to hide source code for Binder or Colab.

II. Binder
- very slow the first time
- makes a link that can be embedded
- uses public repositories (harder with BitBucket which will need the commit)

go to [mybinder.org](#):
- easier with GitHub: paste link (ex. https://github.com/katieguo/jupyter-test), click launch
- with BitBucket (followed [this link](#) to do so): paste link, hit launch. copy paste link into new tab and change "gh" to "git" (ex. https://mybinder.org/v2/**gh**/… > https://mybinder.org/v2/**git**/…)
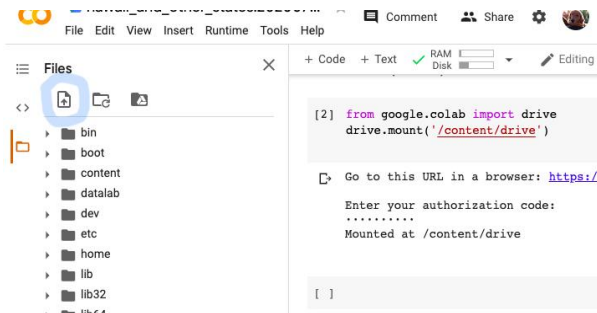
III. Google Colab

go to [colab.research.google.com](#):
- upload ipynb file

FOR DATA: the notebook does not include the csv files used, so Colab will need to access the data (option 2 and 3 below are from [this article](#)):
1. From BitBucket/Github

a. Upload the data (I used the same csv files) in a public BitBucket or Github Repository. Open the data file.
b. Open the raw data (for BitBucket: click "..." in the upper right corner next to "Edit" > Open raw. for GitHub: "Raw" in the upper left corner).
c. Copy-paste the URL to replace the file name in Colab.

2. Load data from your local drive
    a. Click on the file upload button

OR

(in Colab) write

```
from google.colab import files
data_to_load = files.upload()
```
and select a file once asked.

    b. (in Colab) write

```
import io
df = pd.read_csv(io.BytesIO(data_to_load['filename.csv']))
```
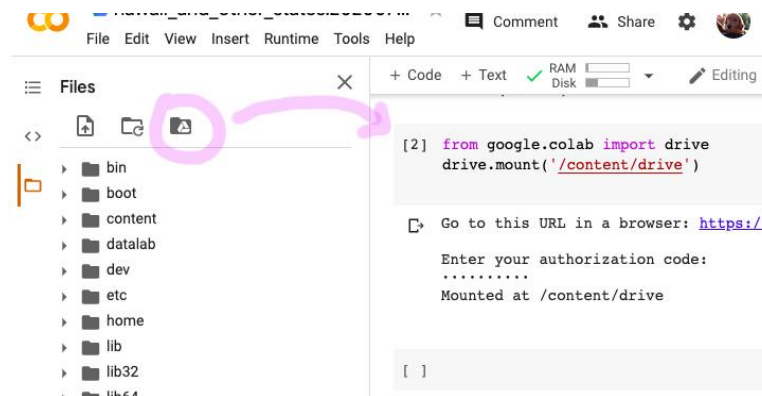
3. Load data from your Google Drive
    a. Upload the csv file to your Google Drive
    b. (in Colab) write

```
from google.colab import drive
drive.mount('/content/drive')
```

OR

Click on the folder shown and it will automatically write it for you)

c. Allow Google Drive File Stream to access your Google account and paste the verification code into the provided area
d. Click on the folder shape in the upper right > content > drive > My Drive and locate the csv file. Right-click and select Copy Path
e. (in Colab) copy the path in the code below. if pandas has not been imported then write "import pandas as pd" before any of the below.

```
path = "copy_path_here"
df_bonus = pd.read_csv(path)
```
or
```
df_bonus = pd.read_csv("copy_path_here")
```