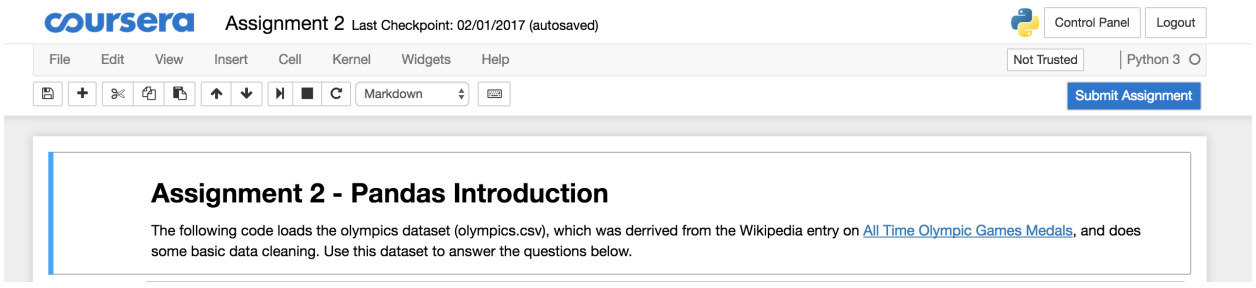
Coursera Notebooks: Downloading your Jupyter Workspace Files

If you would like to download all of your workbooks at the same time, you can also do this directly from Jupyter using the following procedure:
If you've completed Jupyter notebook assignments in a Coursera course, you may want to download your files so that you can run them locally once the course ends. If you would like to download a single notebook, you can do this within your notebook view by selecting File->Download As->Choose a File Format. 7I

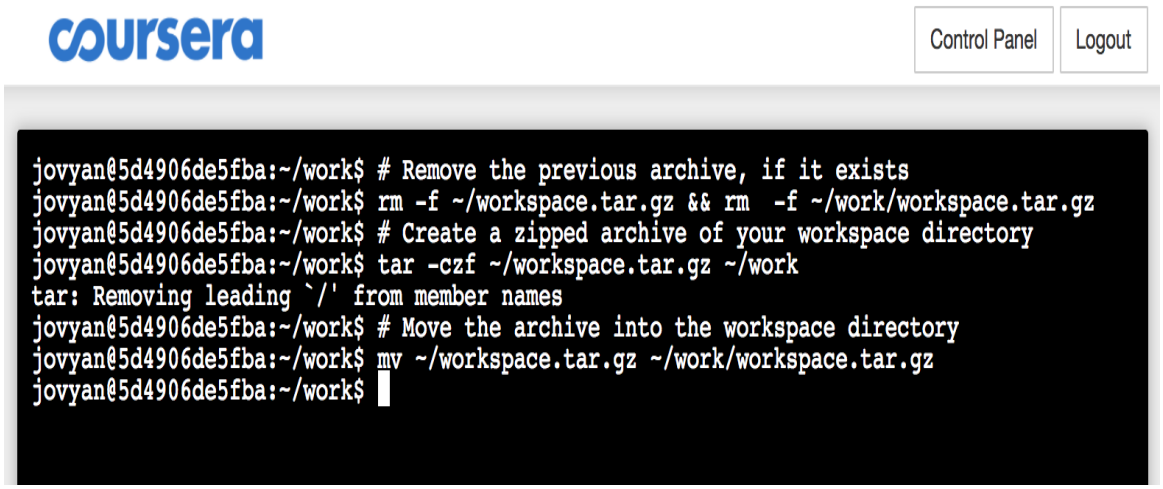
1) go in the upper right-hand corner.



2) You should now see a file view page that lists all Jupyter resources in your current course. Click the 'New' at upper-right, and select 'Terminal' to open the system command line.

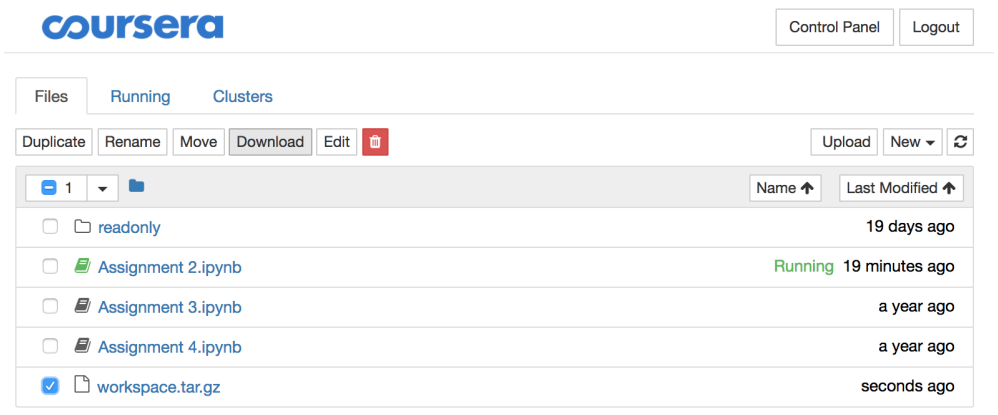
3) You should see a shell prompt as in the screenshot below. In the shell prompt, type or paste the following statements:

```
# Remove the previous archive if it exists
rm -f ~/workspace.tar.gz && rm -f ~/work/workspace.tar.gz
# Create a zipped archive of your workspace directory
tar -czf ~/workspace.tar.gz ~/
# Move the archive into the workspace directory so you can see it
mv ~/workspace.tar.gz ~/work/workspace.tar.gz
```



4) If the command run successfully, your shell should look like the screenshot below. Click on the ‘Coursera’ logo again to return to the file view.

5) In the file view, select `workspace.tar.gz` , then click ‘Download’. Your browser will download the workspace archive, which is yours to keep.



Jupyter Notebook FAQ

Solve problems with Jupyter Notebooks

How can I download and save my notebooks on my local computer?

The procedure for downloading the contents of a notebook is documented in this article. It is also possible to install the support for Jupyter notebooks on your local computer and run your exercise notebooks. Please see this article for more information.

Get a fresh copy of your Notebook:

Sometimes you'll want to revert your code, or get a fresh copy of your Jupyter Notebook mid-assignment. By default, Coursera persistently stores your work within each notebook.

In order to keep your old work and also get a fresh copy of the initial Jupyter Notebook:

1. Make a copy of your Notebook: "File -> Make a copy". We recommend keeping a naming convention such as "Assignment 1 - Initial" or "Copy" that will help you keep your notebook environment organized. You may also download this locally.
2. Go to "Control Panel" -> "My Server"
3. Find the name of your previous file, as well as the new copy of your file
4. Delete the original notebook file (not the copy) by selecting the checkbox next to the filename. A trashcan icon will appear which will allow you to delete the notebook.
5. Go to "Control Panel" -> "Stop My Server" then select "My Server" to restart.
6. Launch the notebook again from your Course Home after a few minutes. You may get a 404 error while the notebook server restarts, so simply wait a few minutes and try again.
7. After the restart is complete, you will now see a fresh copy.

All of my work has disappeared. Where can I find it?

This is what happens when the course staff publishes a new version of a given notebook to fix problems or make improvements. While it may appear that your previous work is lost, your work is still saved under the original name of the previous version of the notebook. You are able to recover your work through the following steps:

1. Find your current notebook version by referencing the top of the notebook window for the title
2. Go to "Control Panel" -> "My Server"

3. Find the name of your previous file

Part of my work did not save. Is this recoverable?

"Kernels" are the execution engines behind the Jupyter Notebook UI. As kernels timeout after 10 minutes of notebook activity, be sure to save your notebooks frequently to prevent losing any work. If the kernel times out before the save, you may lose the work in your current session.

How do I tell if my Kernel has timed out?

- Error messages such as "Method Not Allowed" appear in the toolbar area.
- The last save or auto-checkpoint time shown in the title of the notebook window has not updated recently.
- Your cells are not running or computing when you “Shift + Enter”

How do I restart my Kernel to continue working?

1. Save your notebook locally to store your current progress
2. Restart the Kernel using the "Kernel -> Restart" option in your notebook toolbar.
3. Try testing your kernel by running a print statement in one of your notebook cells. If this is successful, you can continue to save and proceed with your work.
4. If your notebook kernel is still “timed out” try closing your browser and relaunching the notebook. When the notebook reopens, you will need to do "Cell -> Run All" or "Cell -> Run All Above" to regenerate the execution state.

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FAQs

What is the kernel shuts down?

- Restart the kernel as shown above.