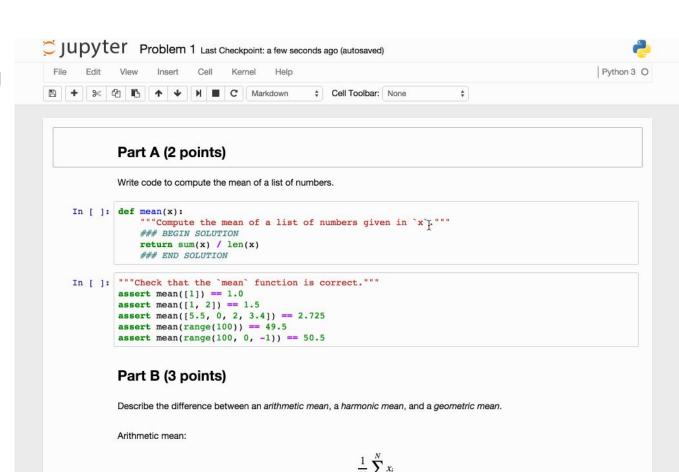
# Other Moons

And final thoughts

## nbgrader

A system for assigning and grading Jupyter notebooks.



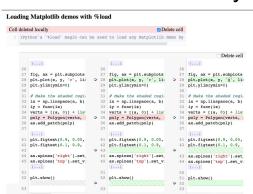
#### nbdime

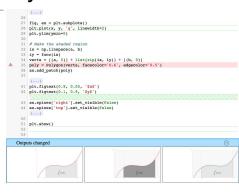
nbdime provides tools for diffing and merging of Jupyter Notebooks.

- nbdiff compare notebooks in a terminal-friendly way
- nbmerge three-way merge of notebooks with automatic conflict resolution
- nbdiff-web shows you a rich rendered diff of notebooks
- nbmerge-web gives you a web-based three-way merge tool for notebooks
- nbshow present a single notebook in a terminal-friendly way

```
## modified /cells/9/outputs/0/data/text/plain:
- <matplotlib.figure.Figure at 0x10ea05940>
+ <matplotlib.figure.Figure at 0x10eb21860>

## replaced /cells/14/outputs/0/data/image/png:
- iVBORwOK...<snip base64, md5=3f7d4e61ee33aaae...>
+ iVBORwOK...<snip base64, md5=1d6960ad89e9de61...>
```





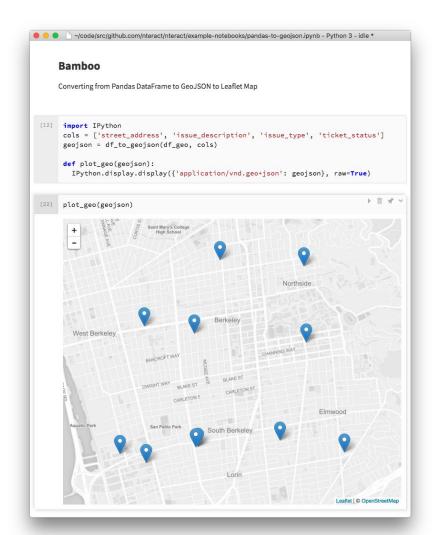
## Thebe

Standalone Jupyter cells for static sites (Javascript Plugin)

- an easy way to let users on a web page run code examples on a server.

#### nteract

Native desktop app for Jupyter notebooks



## Jupyterhub Spawners and Authenticators

- Pluggable architecture allows for community tools
- Support for various forms of OAuth
- Dockerspawner
- Wrapspawner/Batchspawner for spinning up notebooks through batch queue

## Jupyter Widget Server

### And much much more ...

This is a thriving ecosystem and there are new projects added every day!

## How We Use Jupyter

Jupyter has changed how we program in our day-to-day lives

- Exploratory coding that requires you to to weave in and out of code and output
- Recipes where you tweak options and parameters
- Workflows and Pipelines with distinct steps

#### **Thanks**

Contacts:

https://github.com/Jupyter-Kale/Jupyter-and-its-moons

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Project Jupyter: <a href="http://jupyter.org/community.html">http://jupyter.org/community.html</a>