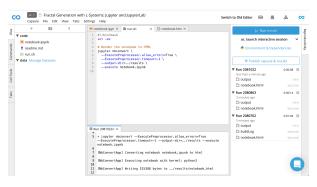# Code Ocean for Jupyter & JupyterLab
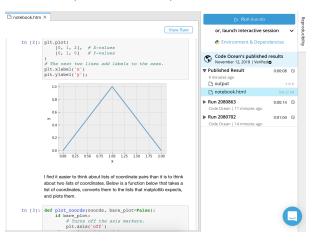
Seth Green

November 13, 2018

Code Ocean

- Code Ocean is, more or less:
  - JupyterLab IDE + modificationss
  - A robust dependency management system
  - A publishing platform (DOIs & stable URLs)
  - A sharing platform (embed your 'compute capsules' on webpages)

Publishing reproducible Jupyter Notebooks

Notebook + environment + `nbconvert` = a rendered HTML

Interactive sessions

https://codeocean.com/2018/11/13/fractal-generation-with-l-systems-colon-jupyter-and-jupyterlab/code

- Jupyter

- JupyterLab

- Time for a live demonstration

Questions?

- How is this different than Binder?
- What is the uploading process like?
- How are dependencies managed?
- Is this exportable?

Reference Slide 1: Publishing on Code Ocean:

- https://codeocean.com/2018/10/16/the-contact-hypothesis-re-evaluated-colon-code-and-data/code
- Will have a DOI and link to your article's metadata

Reference Slide 2: Embedding on webpages & within articles

- You can also embed your published capsule in your article's HTML page or on your personal webpage, a la https://ieeexplore.ieee.org/document/8410389/algorithms#algorithms: