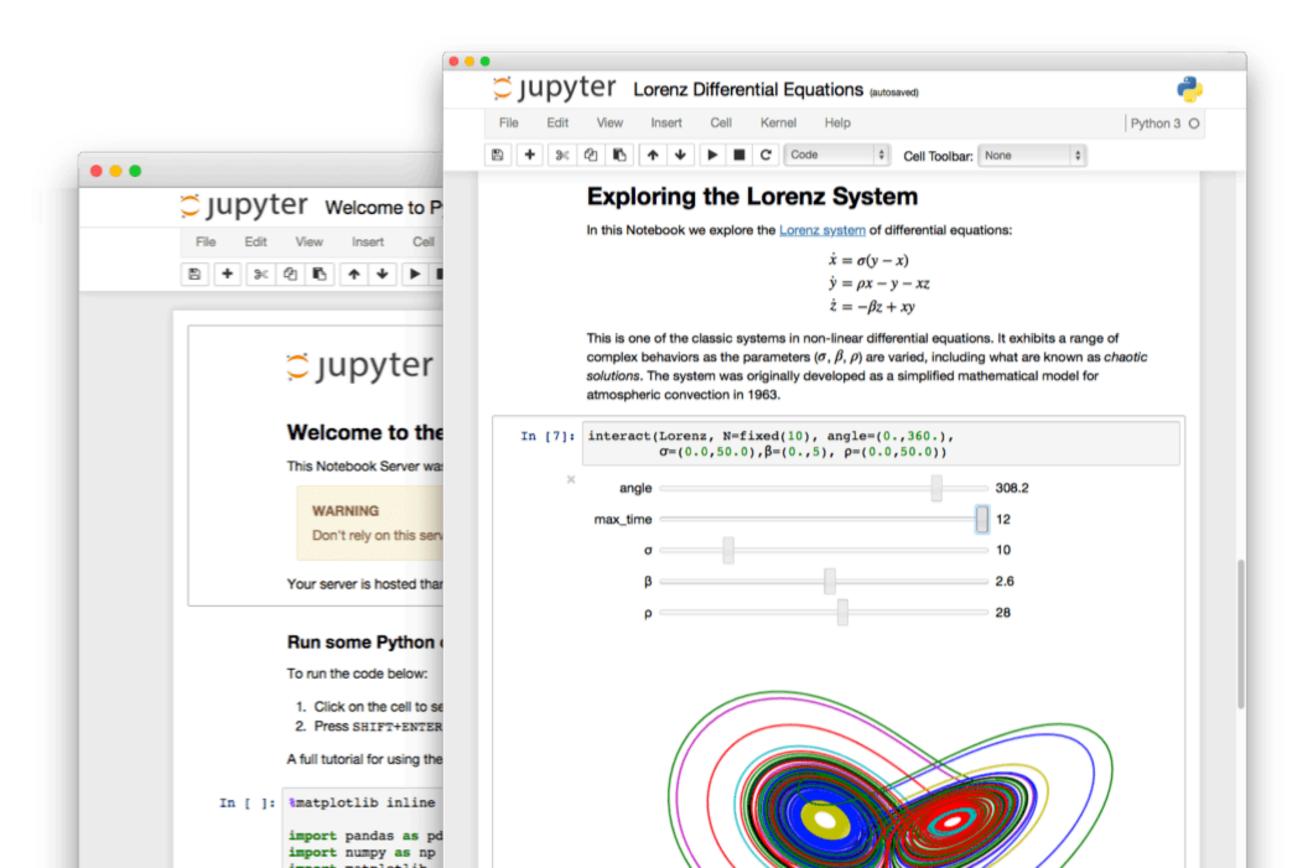
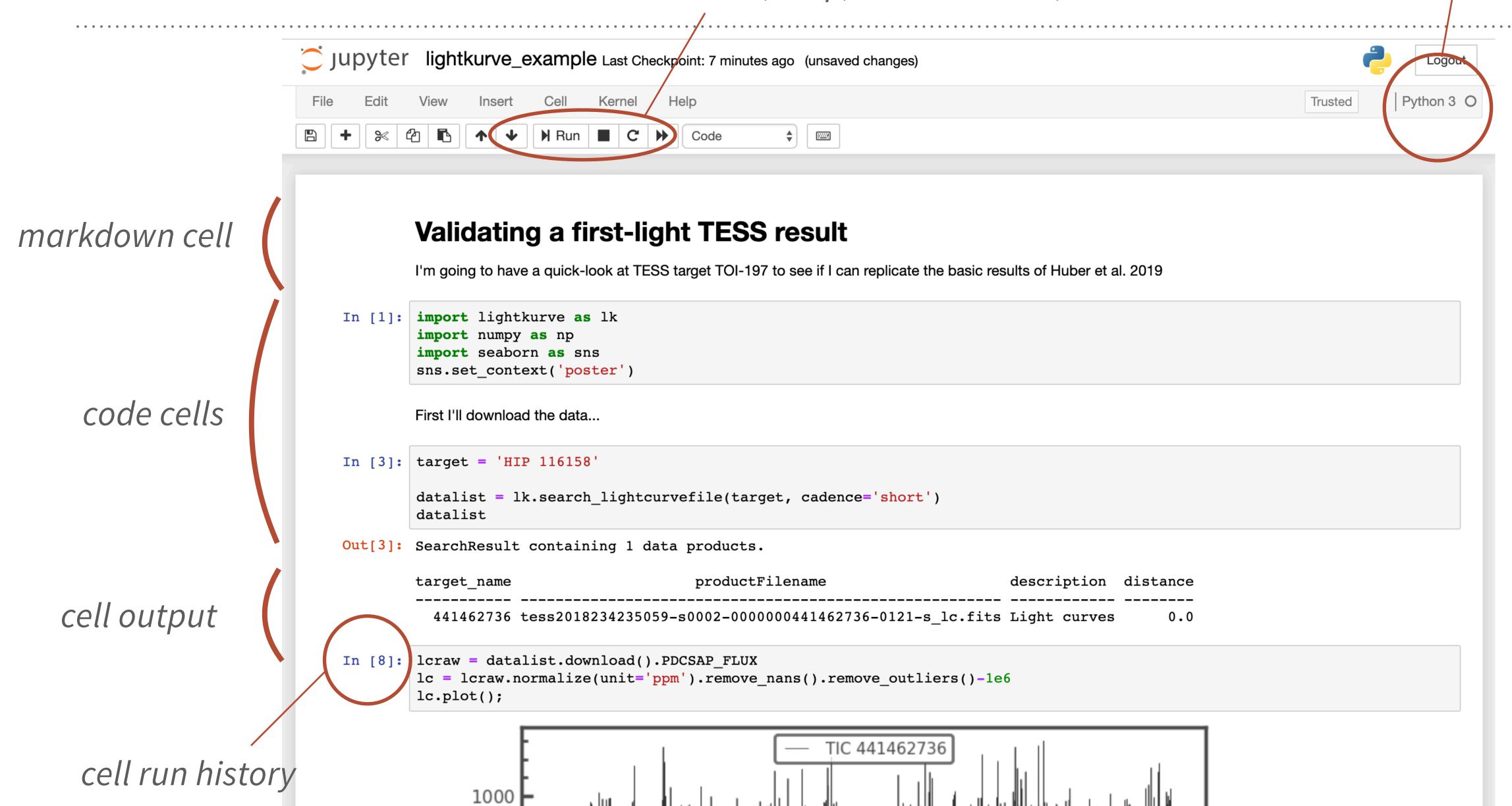


WHAT IS JUPYTER NOTEBOOK?

- ➤ An open-source web application
- ➤ Functions as a more easily interactive iPython terminal
- Compatible with over 40 programming languages



used python kernel



WHEN IS JUPYTER NOTEBOOKS GREAT?

- ➤ Sharing an (uncommented?) code is not an efficient way of sharing knowledge
 - ➤ Sharing a Jupyter Notebook is!

- When illustrating how to reproduce a result (i.e. tutorials and blog posts)
- > When tweaking plots to get them just right
- ➤ When prototyping new code
- > When showing your supervisor what you got up to this week
- ➤ Working with object-based code, like 'lightkurve'!

WHEN IS JUPYTER NOTEBOOKS TERRIBLE?

- ➤ When building a 'script' cannot be run from commandline
- ➤ Performing delicate analysis no edit history, cells could be ordered wrong
- ➤ Memory intensive work all variables are stored in memory until closed
- ➤ When learning Python notebooks discourage good habits, don't teach basics



Credit: Why I Dont Like Jupyter Notebooks by Joel Grus

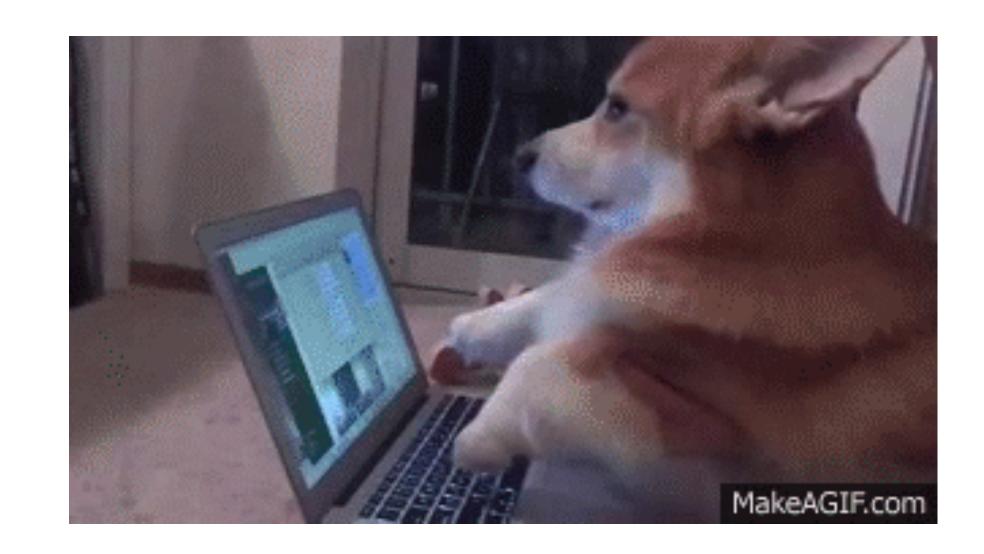
THE PATH TO BECOMING A JUPYTER WIZARD

- ➤ Lots of practice
- ➤ Write as you go along, add equations etc.
- ➤ Save notebooks as Python code, run in terminal
- ➤ Tools like <u>NBViewer</u>
- ➤ Learn keyboard commands (!)

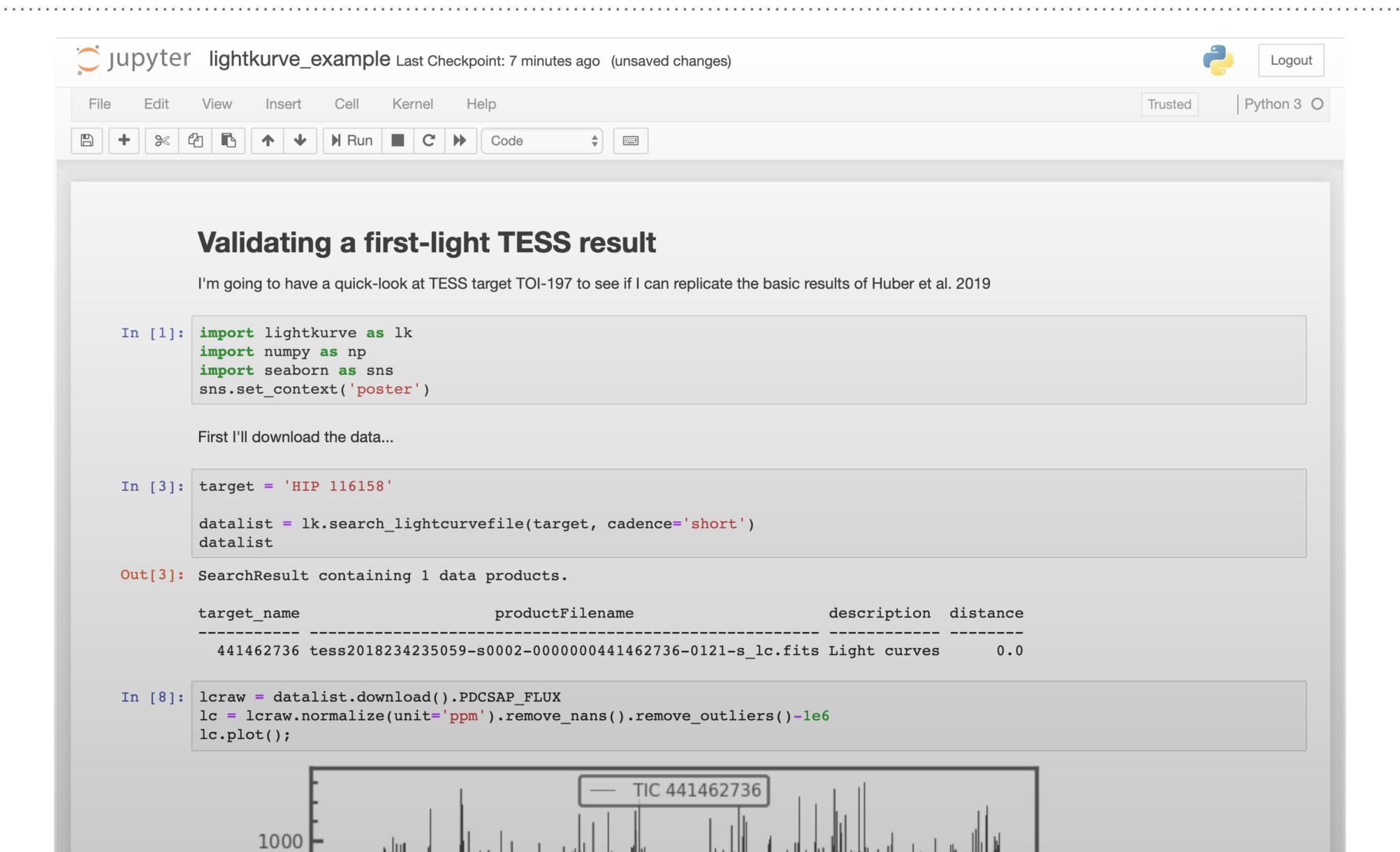


SOME USEFUL COMMANDS & TRICKS

- ➤ Shift + Enter : Run current cell
- ➤ ESC: enter 'command mode'
- ➤ ESC -> b : create a **new cell** below
- ➤ ESC -> m : turn cell into markdown
- ➤ ESC -> y : turn cell into code
- ➤ ESC -> l: add line numbers to cell
- ➤ ESC -> d + d : deletes cell (this can be undone)
- Ctrl + Click : edit multiple lines simultaneously
- Keyboard shortcuts compeltely customiseable!
- ➤ You can select, copy, cut, paste and move cells!



A QUICK EXAMPLE



SOME USEFUL LINKS!



Install & learn about Jupyter

lightkurve

1.0b21

Install & learn about lightkurve



KeplerGO / lightkurve

Raise an issue on the repo, or fix an existing one!