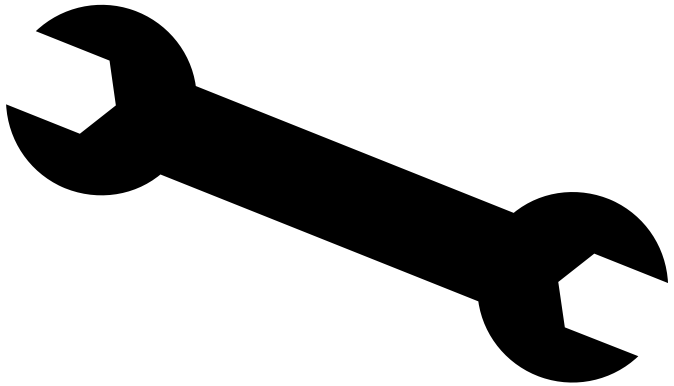
Data engineers and scientists will hate you for these simple tricks!



AMAZING 😁😁😁

5 Tricks for Jupyter you need to know!!!

➔ NO CLICKBAIT

1 Jupytext

Jupytext

- Simple plugin for jupyter
- Paires jupyter notebooks with a python script
- Add *.ipynb to your .gitignore, only check-in paired python script

- Advantages:
  - Git-friendly notebooks
    - Commits finally look useful
    - Work simultaneously on notebook and merge automatically (with git)
  - Never accidentally commit data again
  - Switch between your notebook for quick try-outs and your IDE for refactors

demo

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2

Rich Visualizations

3 Interactive Matplotlib

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4 Ipython Magic

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5

Jupyter Extensions

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Five More Tricks

A Execute a notebook as a script:

```
jupyter-nbconvert --to html --execute --ExecutePreprocessor.timeout=None file.ipynb
```

B Real progress-bars in notebooks:

Replace `from tqdm import tqdm` with `from tqdm.notebook import tqdm`

C More magic:

Add `!` before a command to run it in the shell (e.g. !pip install numpy), add `?` before a command to see ist doc-string

D Multicursor support:

Use `Ctrl + Click` to add a 2nd / 3rd / … cursor and edit multiple lines of code simultaneously

E Notebooks without backend:

JupyterLite (jupyterlite.readthedocs.io) runs completely in the browser, using WebAssembly

DISCLAIMER

- Still, Jupyter Notebooks should only be used for:
  - Rapid prototyping
  - High-level interfaces

- Whenever something needs to be even remotely re-usable, it should be …
  … factored out into a separate module
  … unit-tested
  … documented (e.g. docscrings)