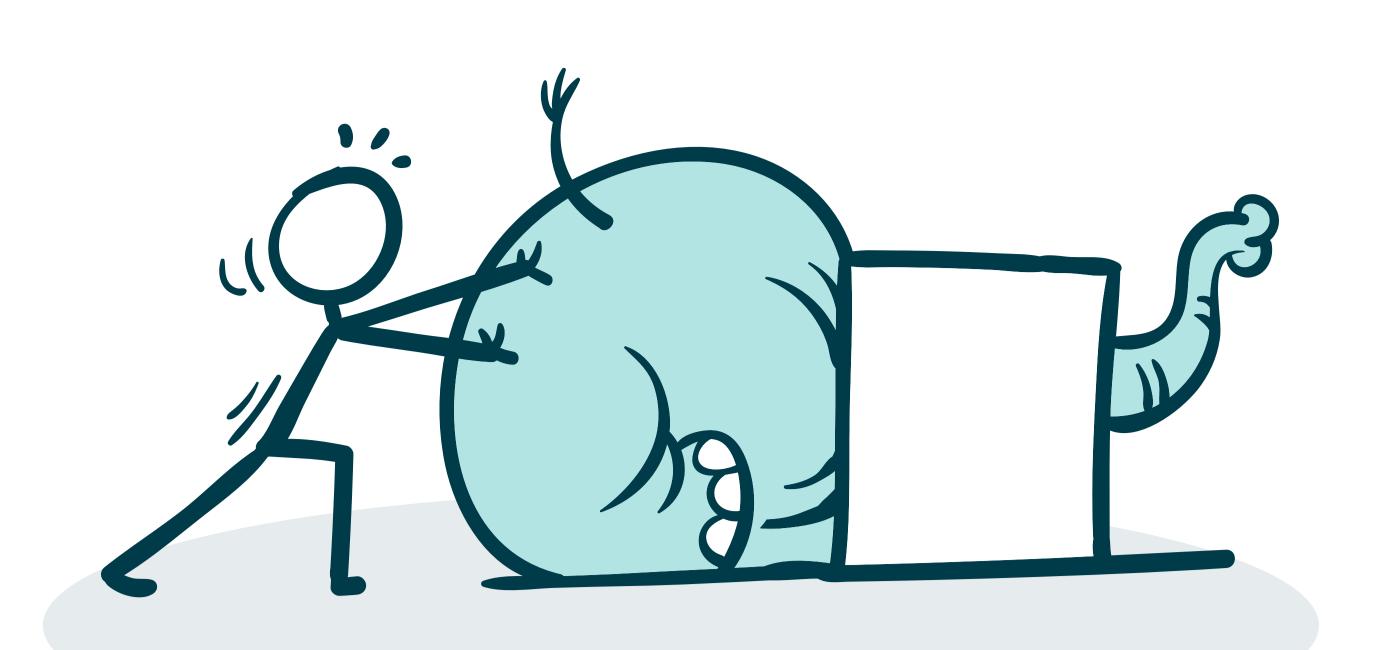
Don't push datasets



It's simply not designed to fit.

Don't push secrets



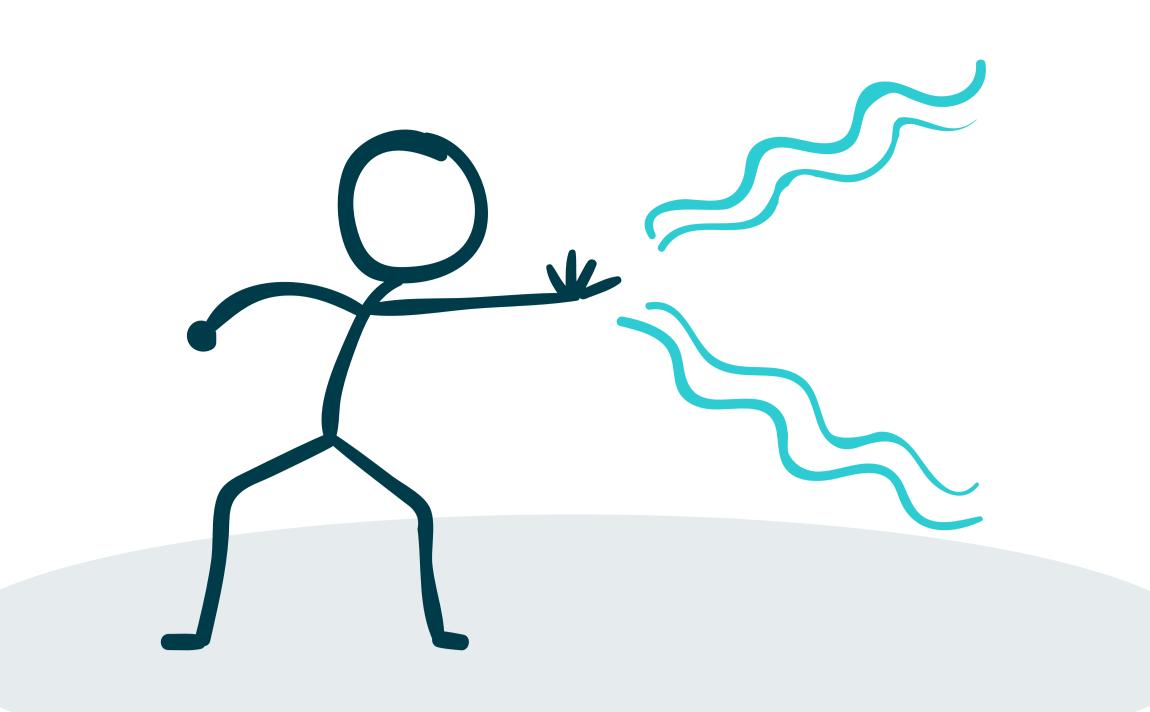
And rotate keys quickly if you do.

Don't push notebook

outputs

So your commits don't look like trash.

Don't use the --force



It'll take you to the dark side.

Do small commits with clear descriptions



Otherwise, your coworkers will get lost.

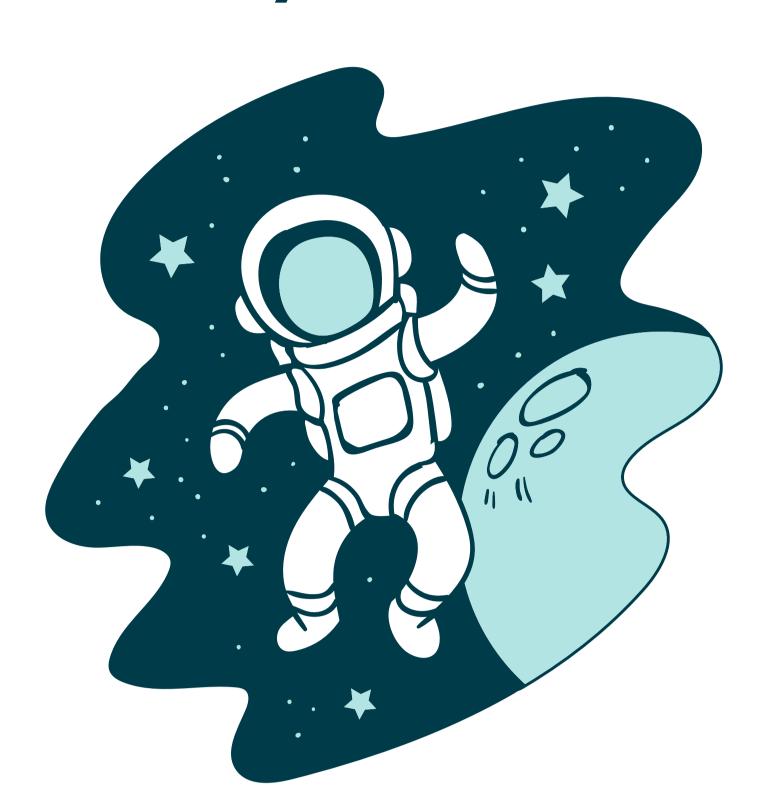
branching & pull requests

W/

Don't be afraid of

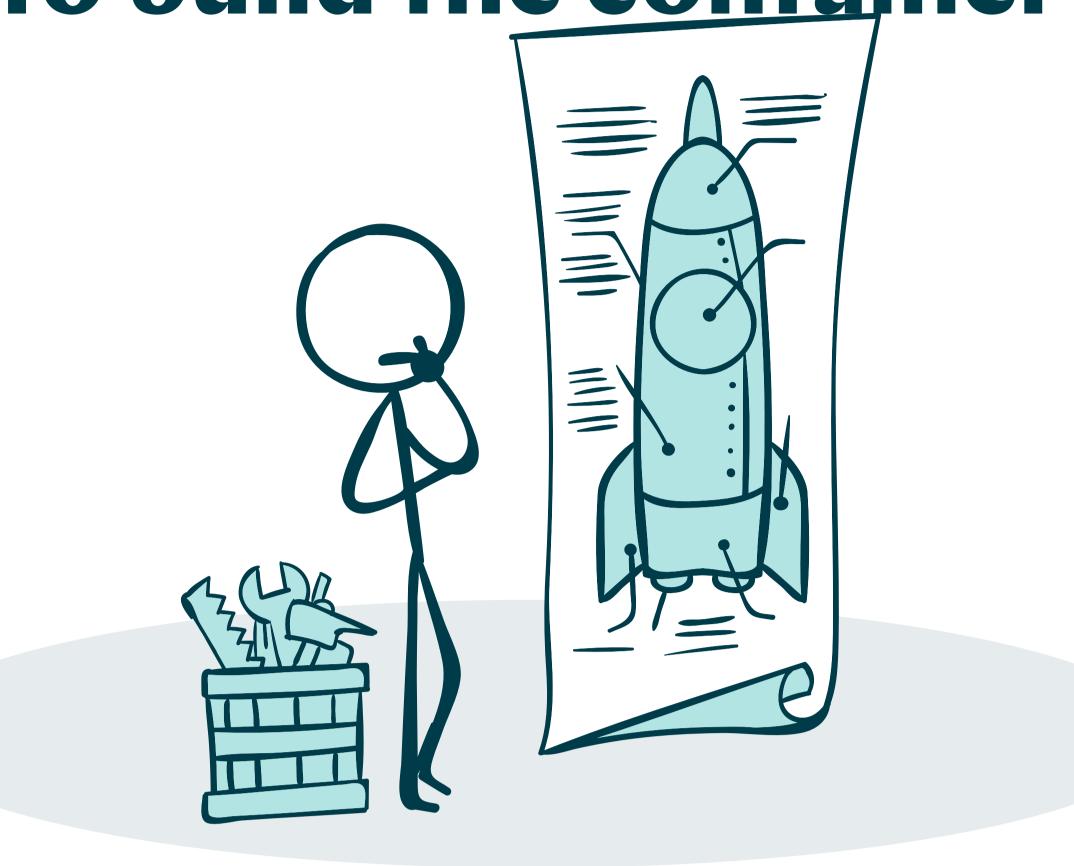
They aren't as scary as they sound.

It's like a space suit - for your code



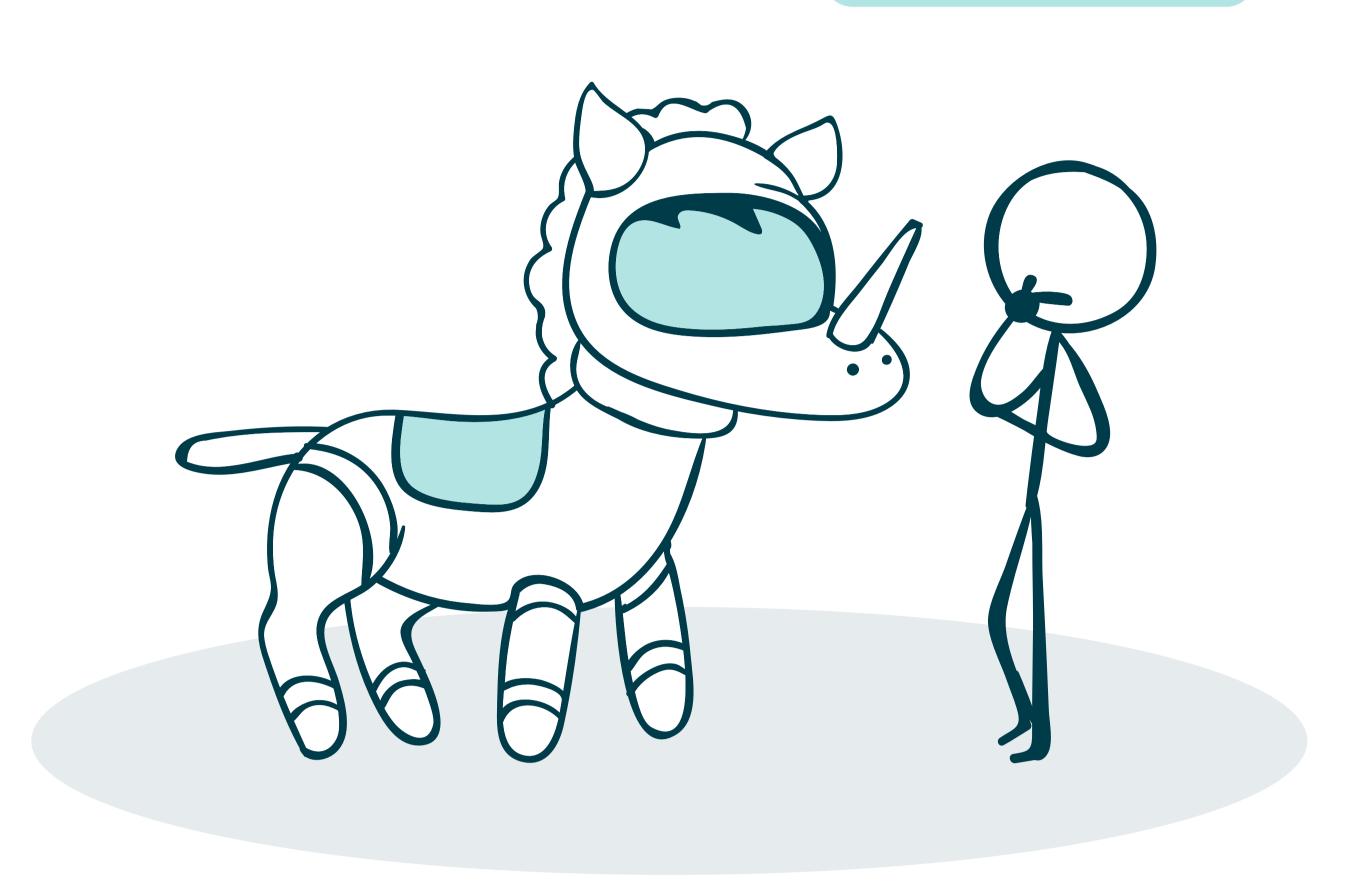
It'll keep it safe from outside factors.

Dockerfile tells you how to build the container



This is slightly different from requirements.

Be safe, avoid latest



It can cause some unexpected outcomes.

Don't bake your secrets



Everyone sees your cake and can eat it too.

Use venys in development, containers in production



It's just way more comfortable that way.

Dependencies are like



Invisible when they work but when they don't you'll be knee deep.

Virtual environments are a safe space



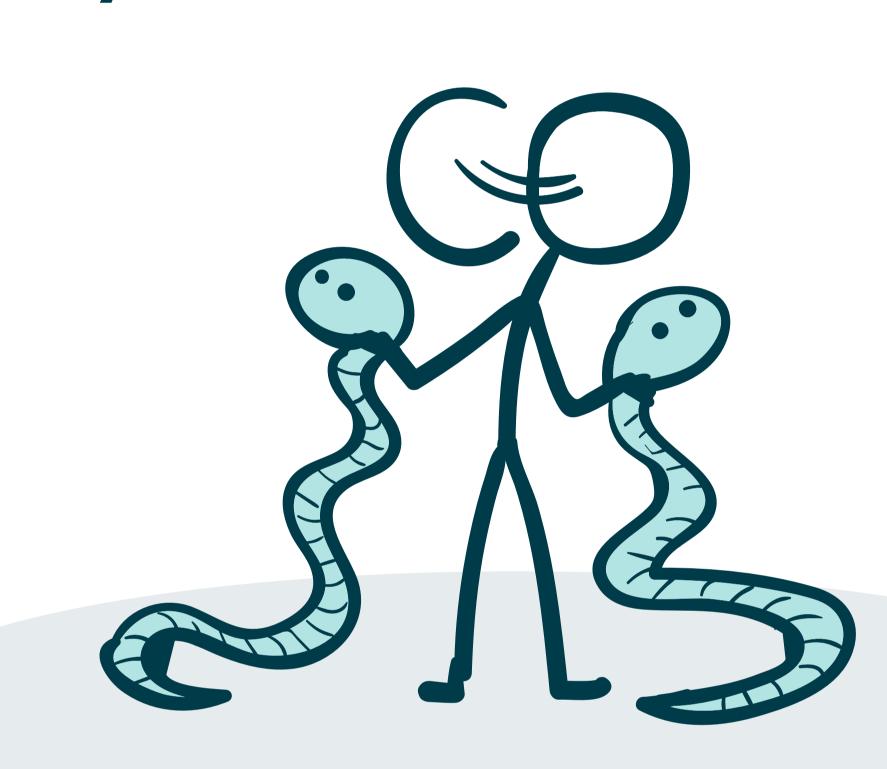
They keep your dependencies in check

Recognize the prompt

Pinning versions reduces risk so use it



Packages change a lot, Python not so much



It's not as necessary to pin a Python version because it doesn't change on whim.

Manage data science



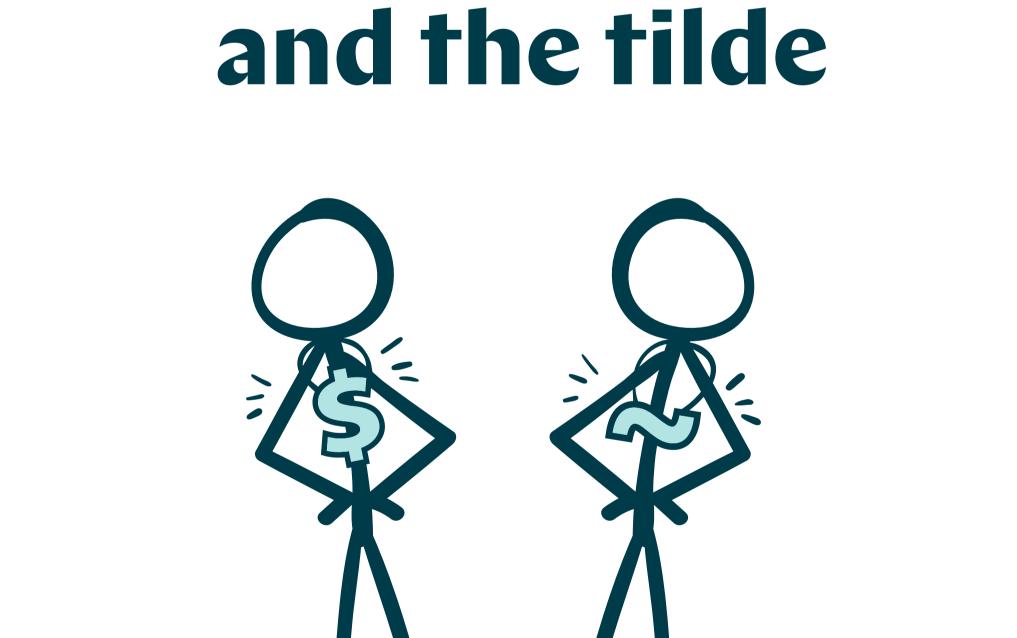
operations easy for others to execute.

Don't be afraid of the command line

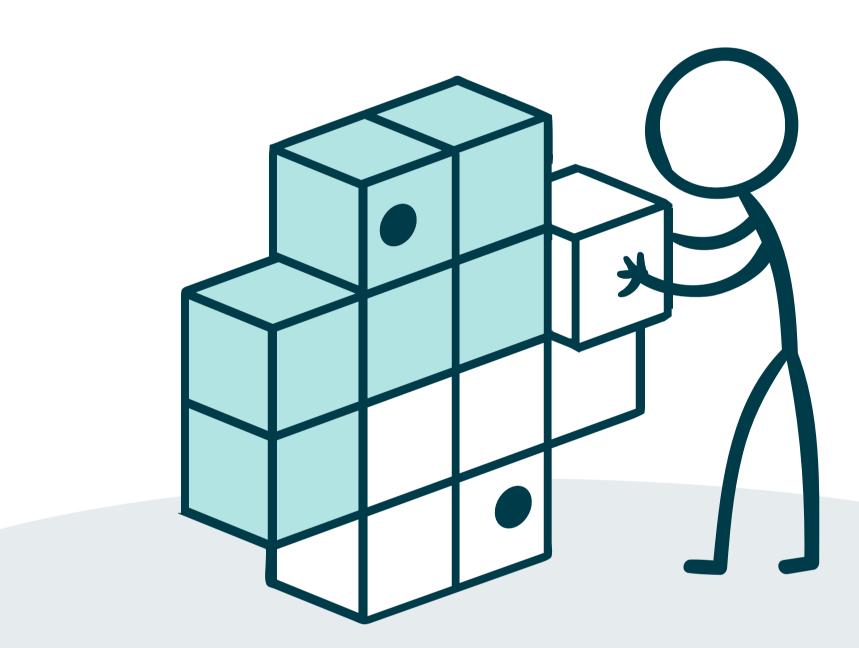


Command line is like "popping the hood" of an operating system.

and others safe from your mess.

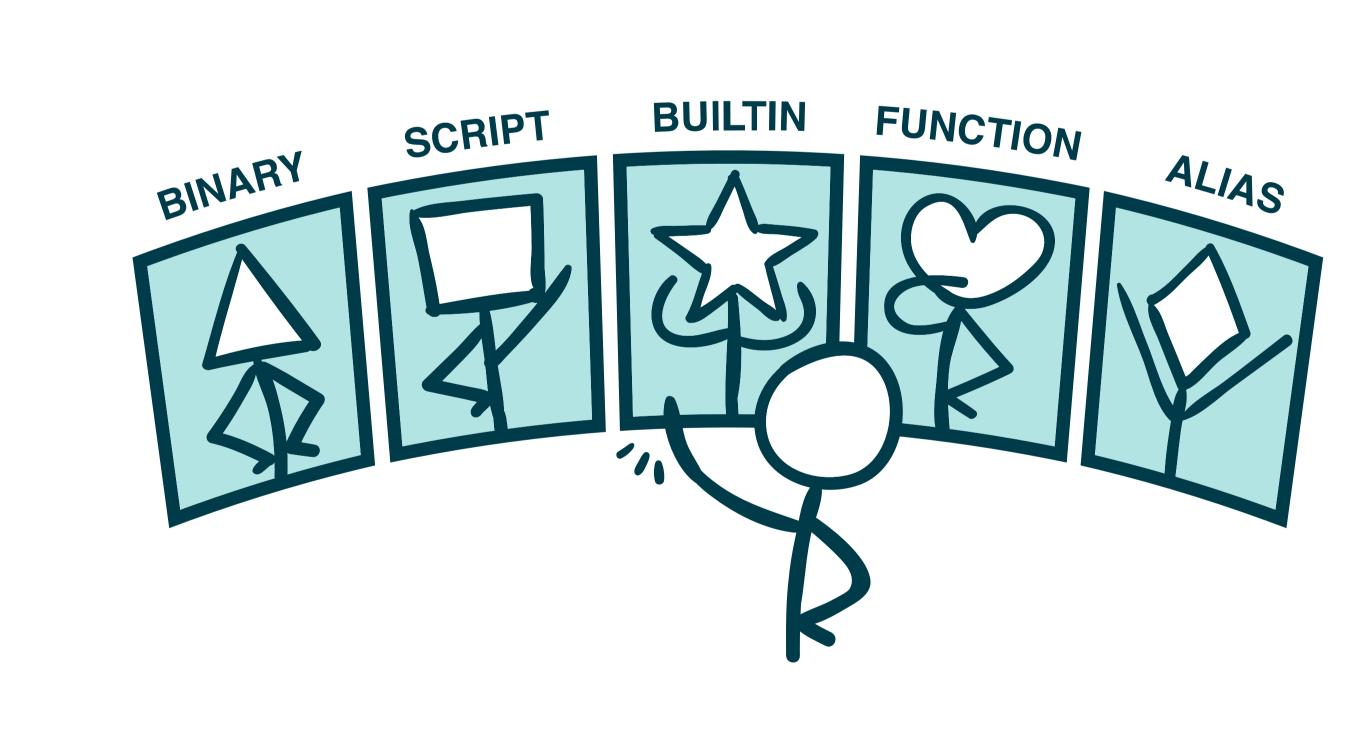


The command lines can look different but these two characters should be there.



You don't want an updated package to blow up your project – without asking.

Combine commands for much more power



There are five different types of commands: binary, script, builtin, function, and alias.

projects like a boss



Makefiles make complex command line

Engineering Practices for Data Scientists

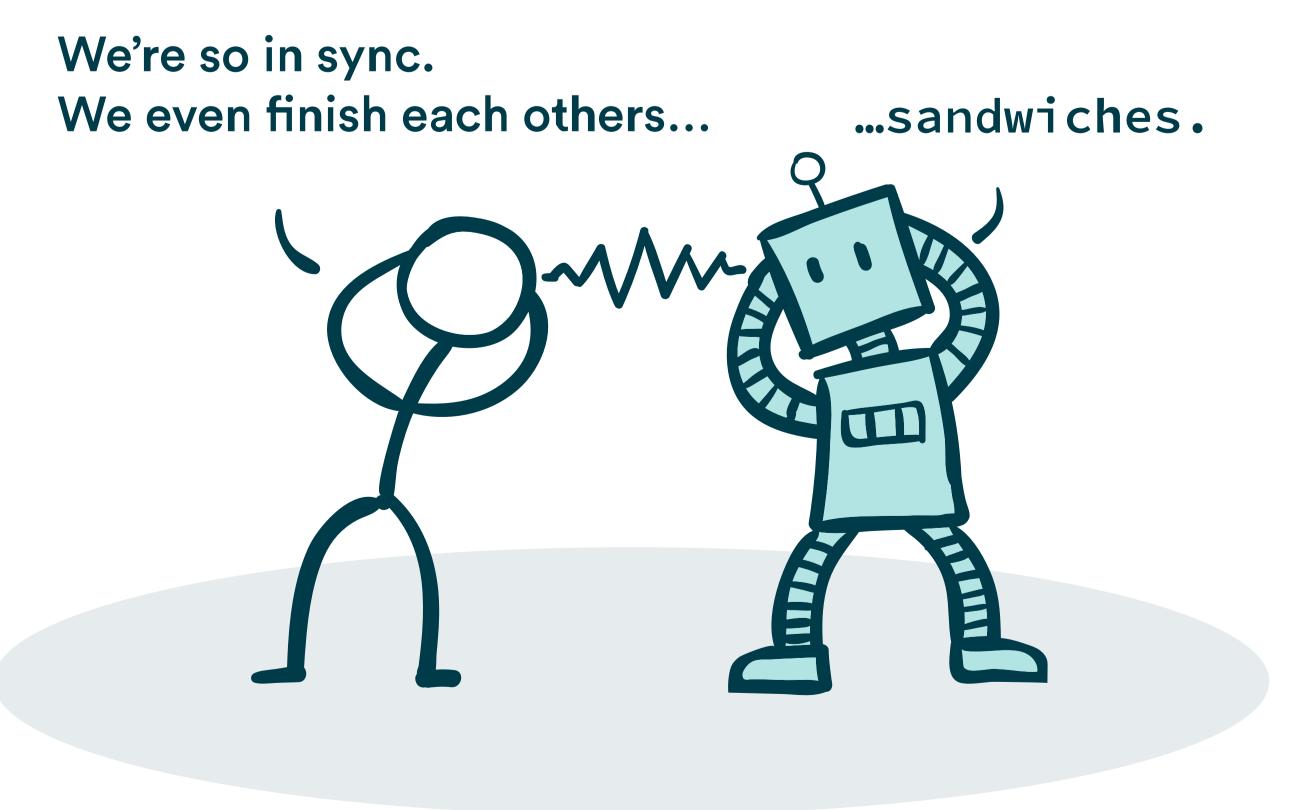
CHEATSHEET

This cheatsheet is companion material to the "Engineering Practices for Data Scientists" eBook, which contains helpful tips and tricks on common engineering topics such as Git, Docker and Python dependencies.

The full eBook is available for free:

https://valoh.ai/engineering-ebook

Don't sleep on code completion



Writing code is becoming less about remembering the syntax.

Use IDEs to refactor your code



Unlike notebooks, IDEs are much more context-aware and thus safer.

Check how things actually work



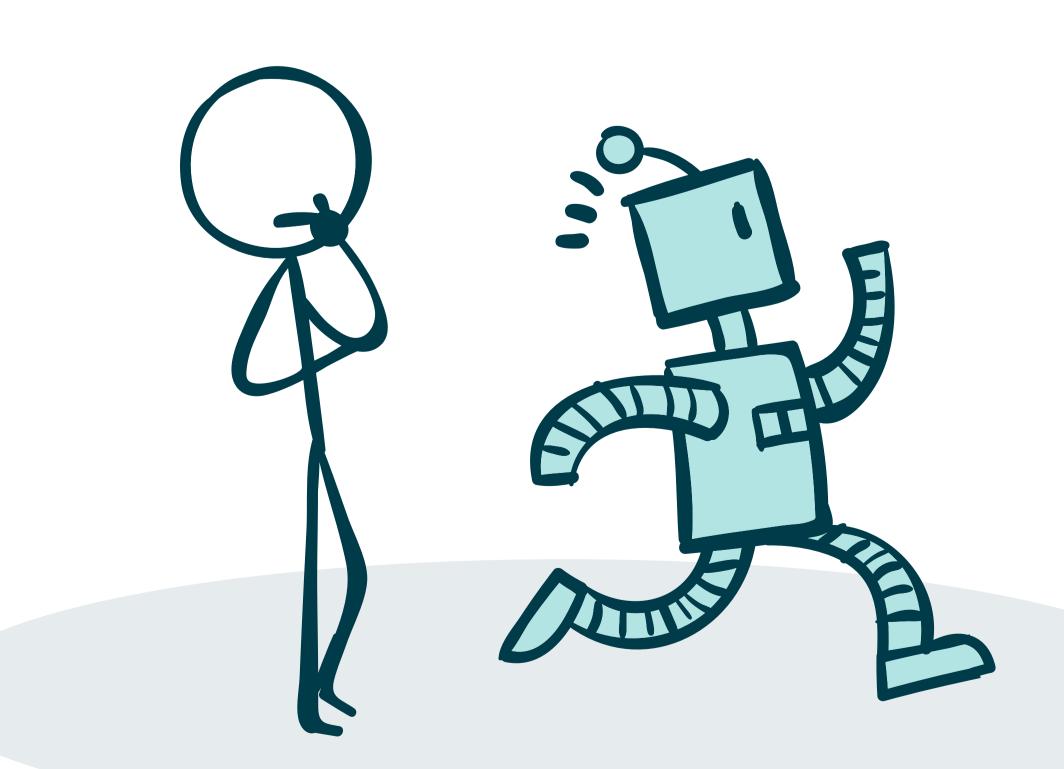
IDEs make it easy to dive into the source code of 3rd party packages.

Use a debugger to unblock yourself



Visual debuggers are powerful and can save you a lot of staring time.

Use a profiler to understand slowness



Optimizing performance is hard but a profiler will at least tell you what is slow.

Use the right tools



More complex projects require more capable tools. So don't ignore them.

