python packages

•••

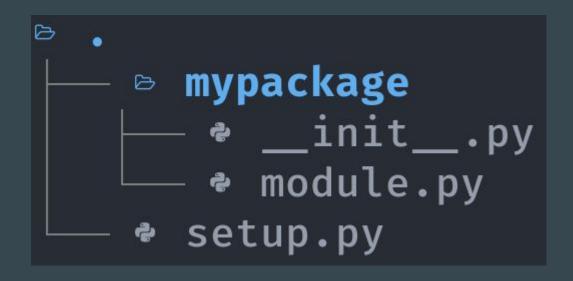
The Fall

pip

- git clone https://github.com/tqdm/tqdm.git
 pip install .
- pip install git+https://github.com/tqdm/tqdm.git
- pip install tqdm

python packages

• ...are just a file structure!



let's make a python package

•••

https://github.com/biosustain/lost_semester/commit/clad4c1724210 6830fedf1049bbc539d531fc566

python packages are a mess

- setup.py
- setup.cfg
- pyproject.toml
- poetry: pip install poetry

pytest

unit tests for python

units tests

- it is difficult to know if software
- unit testing is about testing how the user interacts with software
- pip install pytest

CI/CD

• • •

with github actions

ci/cd

- Continuous Integration: run tests on every commit
- Continuous Deployment: publish to pypi on every X

ci/cd

- Continuous Integration: run tests on every commit
- Continuous Deployment: publish to pypi on every X
- Github actions: for free!

