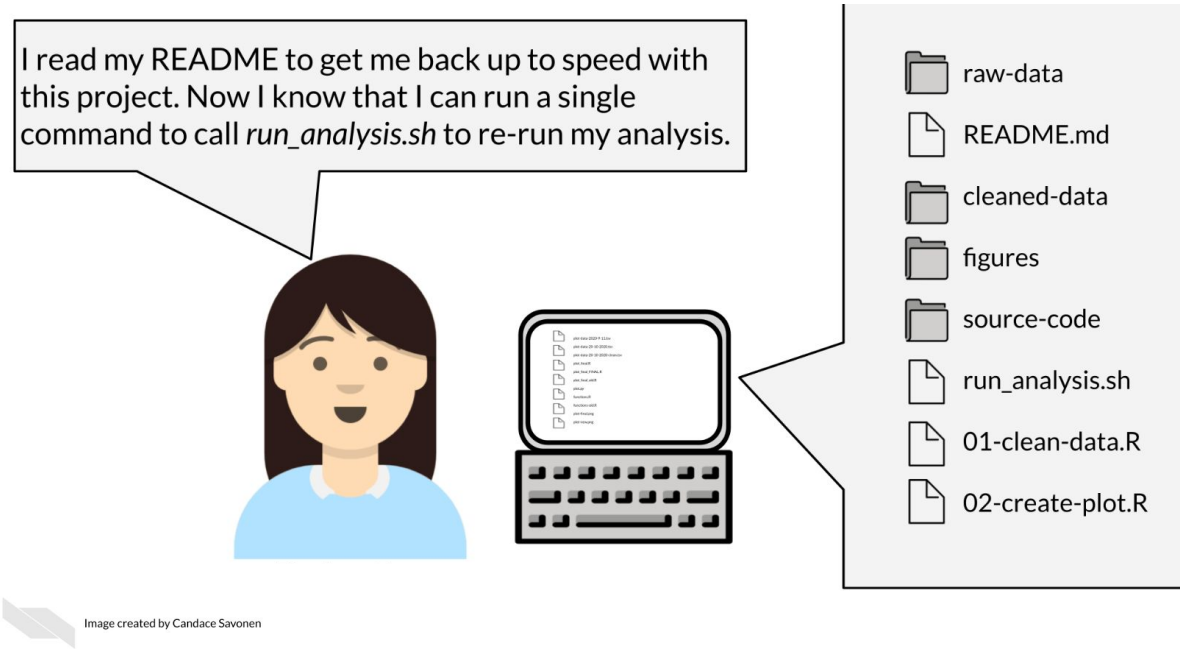
Using data management and reproducibility practices can make your life easier by helping you (and others) streamline and document your work! Like in this ⟶ Start small & build up your own practices!



Data Management questions for yourself

- ❑ *Storage:* do I have a backup I can restore everything from? Is it updated enough that I won't be mad if I need to use it?
- ❑ *Documentation:* if a stranger in my field picked up my project, could they figure out what my data is, where it came from, and how to use my scripts with it?
- ❑ *Folder organization:* do I know where new files go immediately and where to find old ones? do I click less than 5 times to get to the file I want?
- ❑ *File naming:* can I tell the gist of a file by its name? can I sort/filter my files based on name?
- ❑ *File formatting:* am I using the most open and well-documented format possible? If not, how will I transform it at the end of my project so I can always access them?

Reproducibility questions for yourself

- ❑ Do all my scripts run *top-to-bottom*?
- ❑ Do all my scripts use *relative paths* instead of direct paths?
- ❑ Are my scripts *commented heavily* so that I know what I did?
- ❑ Did I *use version control* to keep track of my source history?
- ❑ Are all my *dependencies* (libraries, data) *declared at the top* of every script?
- ❑ Are my scripts *named in a logical order* (e.g. `00_script.py, 01_otherScript.py`)?
- ❑ Have I used a *reproducibility tool* to capture and/or document the dependencies my scripts have on the computational environmental?

Resource guides & help for you!

- ★ Data Science guide: guides.nyu.edu/datascience
- ★ Data Services department (help with research software): guides.nyu.edu/dataservices
- ★ Finding data guide: guides.nyu.edu/datasources
- ★ Data management guide: guides.nyu.edu/data_management
- ★ HPC department (help with compute resources): sites.google.com/nyu.edu/nyu-hpc
  - GUI for HPC: ood.hpc.nyu.edu (NYU NET or VPN)
- ★ Copyright guide: guides.nyu.edu/copyright
- ★ Get help from Vicky directly: nyu.libcal.com/appointments/vicky | vs77@nyu.edu