

# **BIOL 343**

# **Applied Bioinformatics I**

## **Building pipelines**

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# Learning Objectives

You will be able to:

- 1.

# Managing computational pipelines with scripts

## Problems when using many tools:

1. Poor file management

*Input/output files end up in unpredictable locations*

2. Uninformative file names

*Names tend to get loooooong with suffixes like `_new_reallynew_1.txt`*

3. Difficult to checkpoint

*Re-running one step sometimes requires re-running **all** the steps*

4. Difficult to take notes

*When testing new tools, it's difficult to recall what worked and didn't work (and why)*



**Workflow (pipeline) scripts**