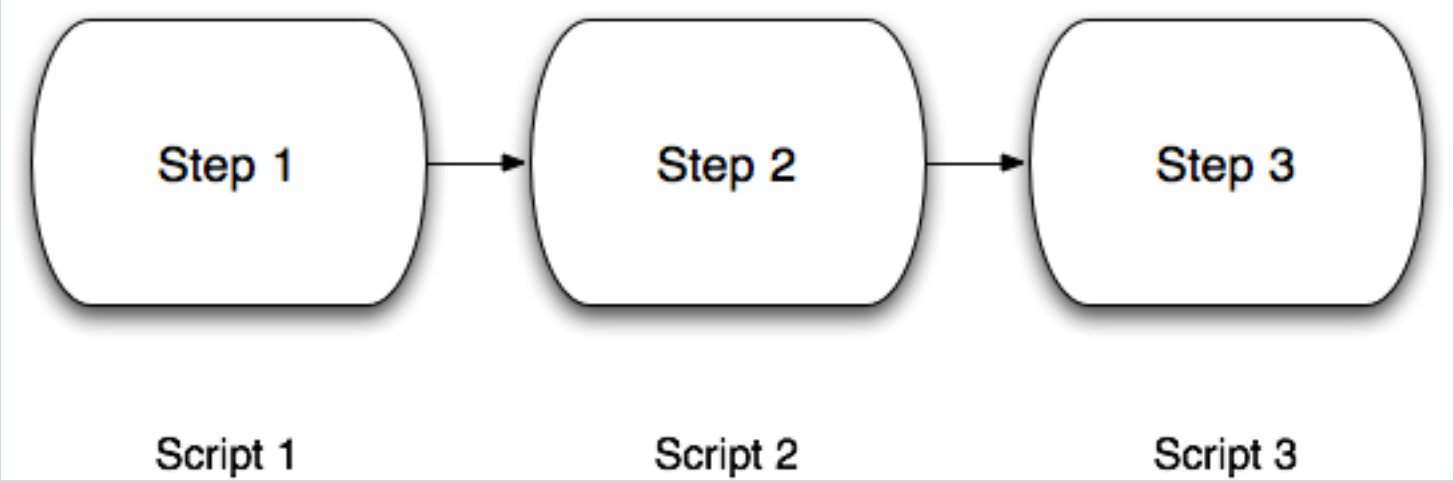
Scripting, take 2

Outline

- More scripting
- Pipelining scripts
- Proving the scripts (and me) right (or wrong)

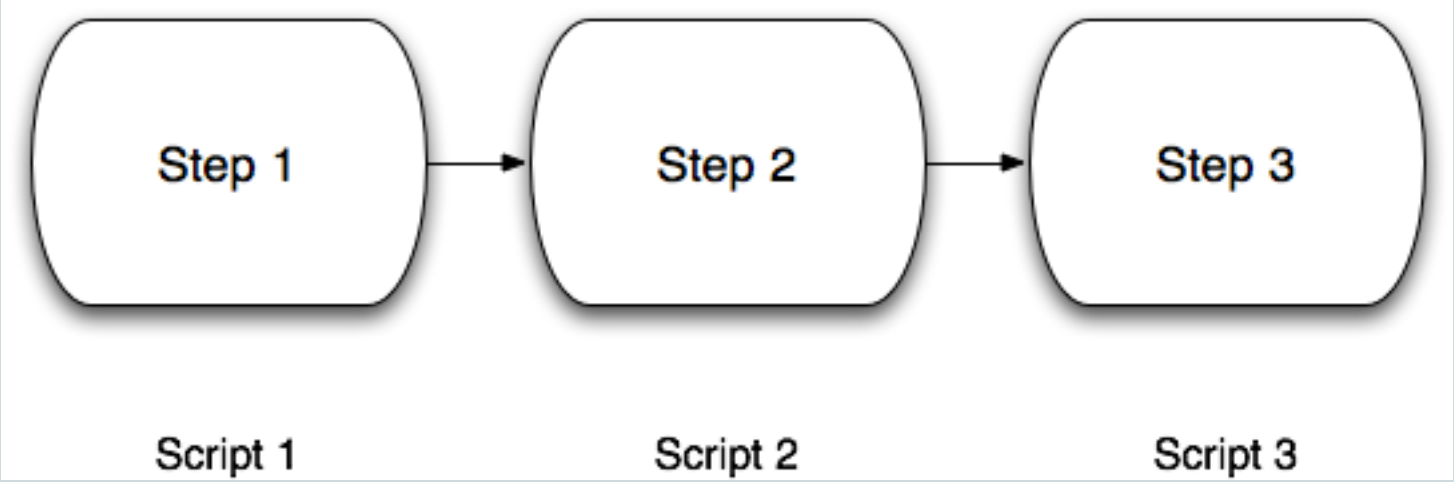
Pipelining scripts



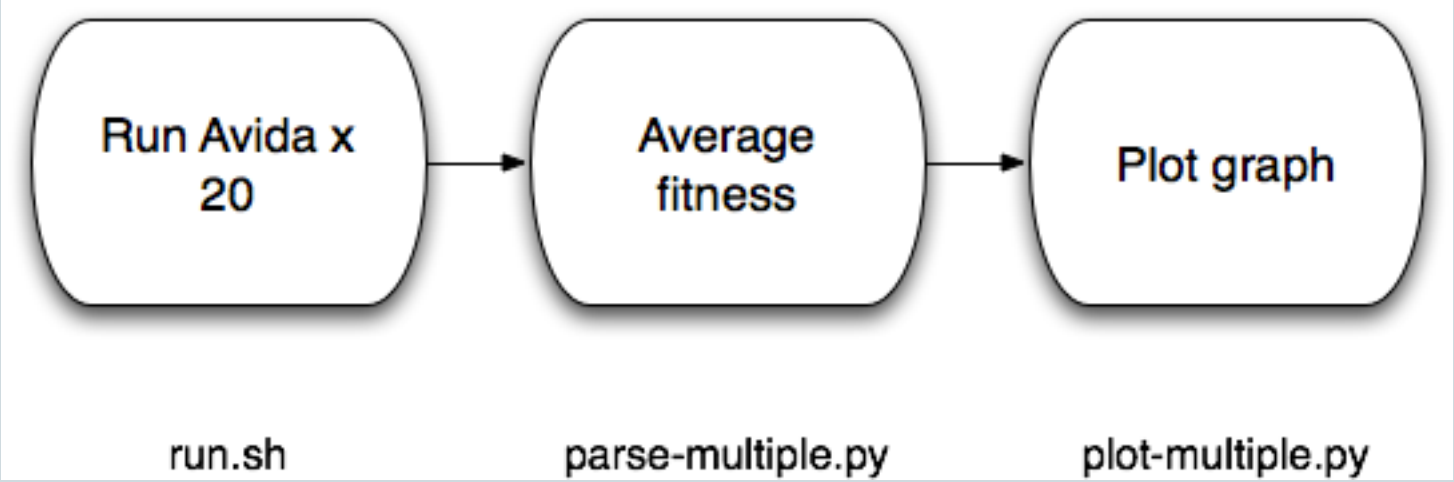
Why pipeline scripts?

- Each script is easily reusable, by you and others;
- Each script can be developed in isolation;
- Each script can be tested in isolation;
- Each script is easier to understand;
- If you plug & play properly, you can use one script in multiple pipelines.

Pipelining scripts



Pipelining scripts



Analyzing multiple runs

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- To do this, we have to have the following information:
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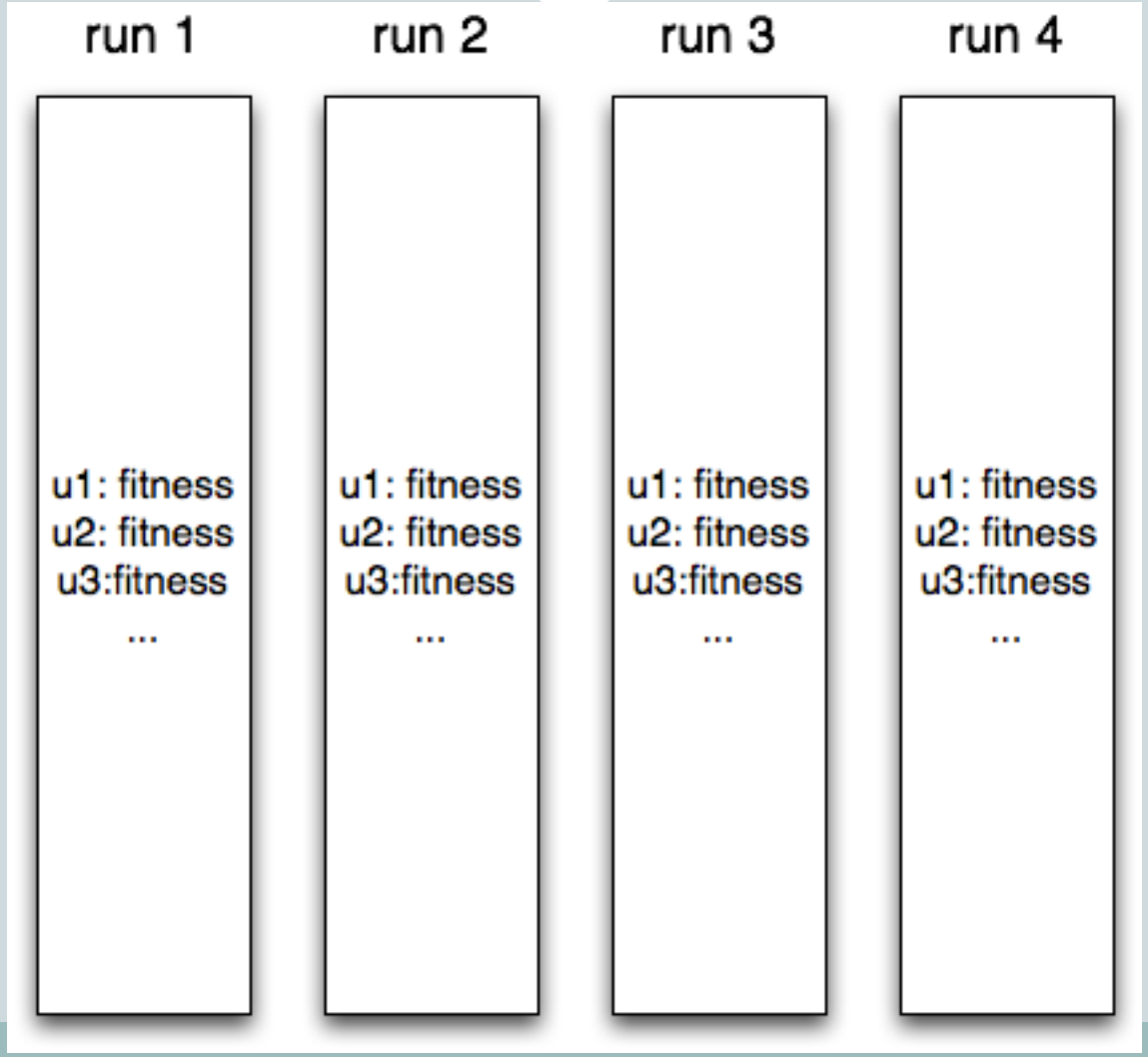
Analyzing multiple runs

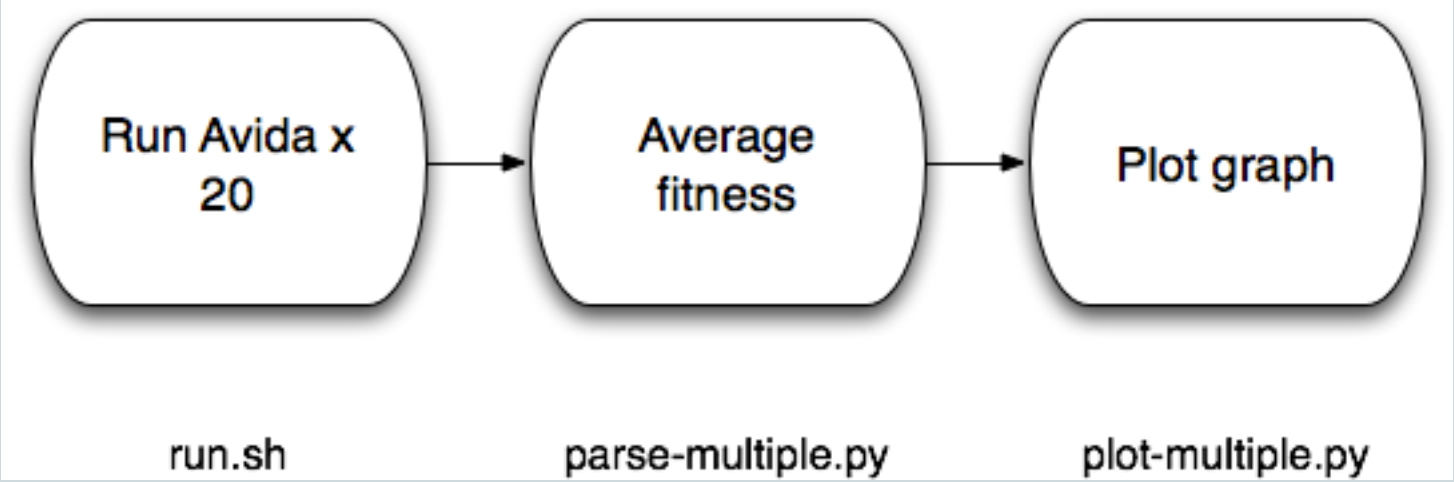
- Say we want to average average fitness, per update, across all the runs.
- To do this, we have to have the following information in one place:
  - For each run, for each update, the average fitness
- In what form is this information now?
  - Each update / average fitness
  - In separate files, one per run! (data/average.dat)

Current organization of data



Desired organization of data

Pipelining scripts



Scripting!

How to test?

HW for next week:

- Read paper on Lenski LTEE
- Try running the scripts yourself!