

Assignment 1: Searching Computational Genomics

Objectives: Become familiar with Python, GitHub classroom, and how to design experiments and report results.

Tasks:

1. Accept the assignment at <https://classroom.github.com/a/mdusFg9r>
2. Clone the repository
3. In `src/search.py`, add a new experiment or experiments that explore the runtime relationship between binary search and merge search.
HINT: Does the fact that both the query and database are drawn from the same word list differentially affect the runtime of either algorithm?
4. Create a figure that demonstrates the result of your experiment.
5. Update `README.md` and `doc/search.tex` (or similar) to include your new experiment.
6. Push your final code to GitHub.
7. Submit your final PDF to Canvas.