



Experiments in Sorting

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Vision

The purpose of our project is to identify best practices for teaching sorting algorithms to new CS students.

Research Question: Does changing the sensory feedback accompanying sorting algorithms impact the students' understanding of those sorting algorithms?



Experiment #1

Two groups:

- Control: reading written text and running the program with timing information
- Experimental: reading written text and running the program with audio feedback and timing information

Problem: file server meltdown on the night of the experiment, no one could log in due to emergency maintenance of /home and everyone was leaving the next day because of new Covid restrictions



Future Plans

Spring Semester

- Hoping for a big group of CS-112 students for next experiment.
- Four groups: Control, TSAL only, TSGL only, TSAL and TSGL.
- Data analysis & Final Report



Questions?