PROGRESS

- Find hybrid algorithm between quicksort and insertion sort in the study and check how it compares to quicksort.
- Implement code artefacts for the new sorting algorithm.
- Run the code for the new algorithm trying datasets containing from 1 to 10^6 integers.
- Register results in a document and compare results to the previously used algorithms.
- Try to find the error in algorithm implementations that makes insertion sort faster than quicksort.
- Reading on Algorithms in a Nutshell by George T. Heineman

BARRIERS

- The anomaly of insertion sort and quicksort persists. Might need a change of dataset.
- If change of dataset is made then all the cases must be rerun and every timing will be different.
- Choosing another book to pursue the readings might involve finding conflicting or at least different information which might confuse my case study.

PLANNED NEXT STEPS

- Rerun every algorithm with different datasets.
- Perform a detailed analysis on the new results and illustrate their trends with graphics.
- Reading on **Data Structures and Algorithms 1: Sorting and Searching by Kurt Mehlhorn**
- Transfer all acquired information into the final report.