

# Thesis on External Range Reporting

Agenda for March 10, 2016

## Since last meeting

1. Report
  - (a) Finish preliminary section on B-tree
2. Coding
  - (a) Main data structure: Invariant Checker
  - (b) Main data structure: Insertion was stress tested on random insertions
  - (c) Main data structure: Print method for printing entire structure in dot format
  - (d) Main data structure: Implement and unit test of *overflowing delete buffer*
  - (e) Main data structure: Implement and integration test of *deletion*
  - (f) Main data structure: Implement and integration test of *bootstrapping structure*
  - (g) Main data structure: Implement *query*

## Plan until next meeting

1. Report
  - (a) Document implementation of the main data structure
  - (b) Document the theory of the main data structure
2. Coding
  - (a) Main data structure: Implement and integration test of *construction*
  - (b) Main data structure: Implement and stress test of *global rebuilding*
  - (c) Main data structure: Thoroughly stress test everything

## Questions and remarks

1. Oh god, we have created a monster!
2. Found several possible errors in query algorithm

## Bug of the week

### *Last week's bug*

An email was sent to Anders Møller and the bug was fixed a day later. The American way was adopted.