WST501: Assignment 1 (Due day Apr 12, 2012)

We have learned the following randomized structures so far:

- bloom filter

- FM-sketch

- count-min sketch (for point queries only).

The objective of this assignment is to understand their performance in practice.

Requirements. Each student should implement a structure of her/his choice. S/he then should design experiments to demonstrate the characteristics of the structure as thoroughly as possible.

Deliverables. Each student should submit:

- the source code;

- an experiment report containing the experiment setup, all the results (presented in an appropriate format, preferably with tables and/or diagrams), and the accompanying explanation. The report must be written using Latex.

Submissions will be assessed on the quality of coding, and the extensiveness of the experimentation.