

December 2009

MADALGO seminar by Jakob Truelsen, Aarhus University

Approximating the Mode and Determining Labels with Fixed Frequency

Abstract:

In this talk we present a data structure to do a 3-approximation of the range mode with constant time queries and linear space. We present a data structure doing a $(1+\epsilon)$ -approximation of the range mode in $O(\log(1/\epsilon))$ time and $O(n/\epsilon)$ time. Finally we present some work on the related Fixed Range Frequency problem.

Joint work with: Mark Greve, Allan Grønlund Jørgensen and Kasper Dalgaard Larsen