Fall 2016

Big Data Management

Preliminary

Discussion on 02.11

Prof. Jiaheng Lu
Department of Computer Science
University of Helsinki

General Instruction: This is the self-assessment for the preliminary knowledge of this course. The purpose is to help you to familiarize with the basic mathematical and statistical terms for this course. We will discuss it on 02.11.2016.

1. Compute the inner product for a vector x = [1,2,3].

2. Compute $\|x\|_1$ (Taxicab norm) and $\|x\|_2$ (Euclidean norm) for the vector x.

3. What is the Markov inequality?

4. What is the Chebyshev's inequality ?

5. What is the Chernoff bound?