

Seminari Informal de Matemàtiques de Barcelona

Speaker: Vasiliki Velona.
University: Universitat Politècnica de Catalunya.

Date: Wednesday, 15th of January.
Schedule: 12:00, *coffee break (be eco friendly, bring your cup)*; 12:20, talk.
Place: S1 classroom, *Facultat de Matemàtiques i Informàtica* of UB.
Language: English.

Title: Learning the structure of graphical models by covariance queries

Abstract: I will talk about the problem of learning the zero-pattern of the inverse covariance matrix of a Gaussian distribution, in the high-dimensional setting. This is a problem with several applications, for instance inference of genetic networks. After giving a concrete mathematical statement of the problem, I will discuss some efficient algorithms as well as lower bounds for their performance.

About us: The SIMBa is a young seminar organized by students of the Faculties of Mathematics and Computer Science of Barcelona. It is aimed at doctoral, master's degree students and, also, for those who are in the last grade courses. Our goal is that each one can make known the research which they are doing, as well as, to get new knowledge of other areas of mathematics than his own..

For more information, visit at www.ub.edu/simba/en/.

If you have any doubt or comment, do not hesitate to contact us by sending an email to seminari.simba@ub.edu.