



SEMINARIO

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Statistics for Networks

Abstract: Learning networks from data is not as straightforward as it may seem. The whole concept of network inference has multiple meanings and interpretations. It can refer to “causal” or “topological” considerations, i.e., learning about functional relationships in the system or to considerations about the structure of the overall network. Moreover, *the* network typically does not really exist and is typically an abstraction of the underlying system. In this talk I aim to motivate a hierarchy of 4 network inference strategies, starting at functional stochastic level and finishing at global structural network inference. It will involve stochastic and ordinary differential equation models, graphical modelling and exponential random graph models.

Lunedì 23 Ottobre 2017, ore 16.00
Aula 3 - Palazzo delle Scienze. Corso Italia 55, Catania
