University of California, Irvine
Statistics Seminar

Bayesian Approaches for Complex Networks

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(Bldg. #314 on campus map)

Multi-dimensional data constituted by measurements along multiple axes have emerged across many scientific areas such as genomics and cancer surveillance. Traditional multivariate approaches are unsuitable for such highly structured data due to inefficiency, loss of power and lack of interpretability. I will illustrate a novel class of multi-dimensional graphical models that includes both directed and undirected graphs as well as arbitrary combinations of these.