

Nonparametric priors for exchangeable graphs and arrays

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I will discuss the problem of modeling graph-valued data: Observations that aggregate into a single, large graph. I will use the talk to explain how nonparametric priors can be derived for such models, and present a particular example of such a prior. I will also describe some basic aspects of the fledgling statistical theory for such data, and outline for which types of graphs the modeling problem is not yet understood.