



UNIVERSIDAD TECNICA
FEDERICO SANTA MARIA

DEPARTAMENTO
DE MATEMÁTICA

Próximo Seminario DMAT

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SALA DE SEMINARIOS, DMAT

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Point process approaches to study clustering of industry locations

In this talk we will discuss various point process approaches to study clustering of industry locations. Industries (shops, firms, supermarkets, factories...) can be of various types and clustering (or possibly repulsion) could happen within industries of the same type or between industries of different types. We review a seminal contribution in spatial econometrics and discuss its relation to recent semi-parametric point process models including semi-parametric log Gaussian Cox processes and semi-parametric Markov point processes. For the semi-parametric models we in particular discuss how parameter estimates can be obtained using certain conditional composite likelihoods.