Modeling Typhoid Fever dynamics transmission with a hidden birth and death process with immigration

Solym MANOU-ABI[1]

Abstract/Résumé:
We are interested in this talk by a stochastic model for the dynamics transmission of water borne infections diseases such as the typhoid fever. We motivate the construction with a linear birth and death process with immigration together with the parameter estimation in a given Hidden Markov Model framework. .

Mots clés: Continuous time Markov chain, Infectious disease, Modeling.

Responsables du séminaire: Solym Manou-Abi, Boureima Sangaré, Etienne Pardoux

[1] **IMAG-Montpellier CUFR-Mayotte, France.**
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