Joint Biostatistics Seminar
Samuel Thomas and Wanzhu Tu

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Friday, November 30th, 2018, 1-2pm, HITS1110
Friday, January 18th, 2019, 1-2pm, HITS1110

Bayesian Semiparametric Regression Models with Hamiltonian Monte Carlo

Abstract: In next two Biostatistics Seminar presentations, Samuel Thomas and Wanzhu Tu will share their ongoing work on Bayesian estimation and inference in semiparametric regression models. In the first presentation, Wanzhu Tu will introduce the basics of Hamiltonian Monte Carlo (HMC). He will describe the scientific motivation for this research. In the second presentation, Samuel Thomas will discuss the application of HMC in regression analysis, with a focus on the application of HMC in semiparametric regression. Sam will also discuss the implementation of HMC in a broad class of regression models.