

Probability and Statistics Seminar

Borel-Tanner Distribution and Bayes Estimators for the Basic Reproduction Number of an Epidemic

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Abstract: We construct a monotone (improved) version of an empirical Bayes estimator for the parameter of Borel-Tanner (BT) distribution. The BT distribution arises, for example, in branching stochastic processes and queueing theory. Our interest stems from its role as the distribution of the total number of infected individuals in an epidemic modeled by a branching process.

Date: Friday October 19, 2018

Time: 10:00 to 11:00 AM

Location: EMAGC 1.414 and BMAIN 1.220

ZOOM LINK: <https://utrgv.zoom.us/j/388361732>

Please direct any questions or requests to Dr. Demba Fofana at demba.fofana@utrgv.edu or to Dr. Kristina Vatcheva at kristina.vatcheva@utrgv.edu