



The Hong Kong University of Science & Technology

Department of Mathematics

PhD Student Seminar

Deep Accelerated Failure Time Model

By

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Abstract

In biomedical studies and clinical trials, accelerated failure time (AFT) model is built to deal with censored data. With massive survival data, we consider deep AFT model by a neural net with varying width and depth, in which a Gehan-type rank regression is analyzed. Compared with traditional AFT model, the proposed method is more accurate in the prediction. Extensive numerical studies further show more evidences.

Date: Monday, 7 May 2018

Time: 3:00 p.m.- 4:00 p.m.

Venue: Room 4475 (near lift 25, 26)

All are welcome!