

Balakrishnan 卓越教授 講演 1 のお知らせ

—劣化モデルと治癒率モデルの統計的推測 (1/25(土))—

McMaster University (Canada) の Balakrishnan 卓越教授 (Distinguished University Professor) に、劣化モデルと治癒率モデルの統計的推測について講演をしていただく予定です。

講師: Professor Narayanaswamy Balakrishnan
Distinguished University Professor,
Department of Mathematics and Statistics, McMaster University
<https://ms.mcmaster.ca/bala/>



日時: 2025年1月25日(土) 13:30-16:15 (第1部: 13:30-14:45, 第2部: 15:00-16:15)

場所: 中央大学 後楽園キャンパス 3号館3階 3310室

講演 1: Degradation Modeling and Associated Inferential Issues (13:30-14:45)

(劣化モデルと統計的推測)

概要:

In this talk, I will provide a basic introduction to degradation modeling and will specifically introduce a model based on Wiener process and gamma process. I will then describe gamma process based on fixed effects and random effects, and detail model-fitting methods for these two models. Finally, I will present some simulation results and a real-life data analysis involving laser data.

講演 2: Cure Rate Modeling and Associated Inferential Issues (15:00-16:15)

(治癒率モデルと統計的推測)

概要:

In this talk, I will provide a detailed introduction to various forms of data in which cure rate is involved, and then describe a method of constructing stochastic models for modeling such cure rate data. Many parametric and semi-parametric models will be introduced in this context, and a likelihood-based inferential procedure will be developed. Finally, some simulation results will be presented as well as the detailed analysis of some real-life survival data.

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準備のため、ご参加される方は、以下のフォームから登録をお願いします (登録なしでも参加可能です)。

<https://docs.google.com/forms/d/e/1FAIpQLScOgDQvHdhTDYoE9mNfXNvn1OaJghn1h7HblQW1sFeFbz7EVw/viewform?usp=dialog>