統計科學研究所
INSTITUTE OF STATISTICAL SCIENCE

統計所學術演講

中研院統計所

學　術　演　講

講　題：Randomization Inference When N = 1

講　者：Dr. Tengyuan Liang

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時　間：2023年8月7日(星期一)，10:30-12:00

地　點：統計所B1演講廳

Abstract

Neyman's seminal paper in 1923, which introduced the potential outcome framework and the analysis of randomized experiments, has arguably laid the foundation of causal inference for cross-sectional data. For time-series data, the framework of randomization inference is far less well-understood due to the interference: the potential outcomes at a particular time typically depend on treatments assigned before that time. Motivated by the literature of N-of-1 trials in clinical research and sequential AB testing in online marketing, in this talk, we study randomization experiments and causal inference when N = 1, borrowing insights from system identification and probability theory. The talk is based on joint work with Benjamin Recht (UC Berkeley).

※ 實體與線上視訊同步進行。

※ 茶　會：10：10開始。