

國立中正大學數學系
暨應用數學碩士班、統計科學碩士班
學 術 演 講

Experimental Design Introduction and Related Challenges in Order-of-addition Experiments

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Abstract

This talk will be divided into two main parts. The first part aims to introduce the importance and foundation of Experimental Designs. Sometimes, people think of statistician only when they have collected their data. However, decisions made before data collection can greatly influence the theoretical quality of estimators, models and inferences. I hope this talk will help the audiences have impression that Statistics also plays a crucial role before any data is available, even in the simple linear regression case. In the second part, I will briefly introduce the development and challenges of a growing field: the design and analysis for order-of-addition experiments. This kind of experiments encourages deeper reflection on what statistical modeling entails and offers new insights into what should we code for the predictors in linear models. I have been working on this topic recently and would like to share this interesting area and our solution to broader audiences.

日 期:115 年 1 月 5 日(星期一) 16:10~17:00

地 點: 本校數學館 527 教室 (嘉義縣民雄鄉大學路 168 號)

茶 會: 15:30~16:00 數學館四樓 409 室舉行

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