淡 江 大 學 統 計 學 系

學 術 演 講

講　題：A Unified Framework for Minimum Aberration

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時　間：2020 年 10 月 29 日（星期四）下午 02：10 - 04：00

地　點：B302A（淡水校園商管大樓）

茶　會：2020年10月29日（星期四）下午01：30 (商管大樓 B1102)

摘 要

Minimum aberration has been ubiquitously adopted for selecting fractional factorial designs. Much work has been done on its various extensions, from which many fields of experimental design have benefited, including multi-stratum designs, multi-group designs, and multi-platform designs. However, most of these extensions are ad hoc and are developed on case-by-case bases without strong statistical justifications and a unified rationale. In this talk, we provide a new perspective to minimum aberration through a Bayesian approach. Our theory not only features a unified framework for minimum aberration and is easily applied to many situations, but also enables experimenters to derive their own aberration criteria.

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