

# 國立成功大學統計學系暨數據科學研究所 專題演講

演講者: Prof. Chung-Siung Kao (高正雄 副教授)  
國立中正大學數學系

時 間: 2021年04月08日 (星期四) 15:30 - 16:30

地 點: 統計學系三樓視聽教室 (62331)

茶 會: 15:00 - 15:25 (統計學系二樓教師休息室)

題 目: Euclidean statistical mathematics with application to spatial  
measuring

## 摘 要

In outdoor survey of landscape or indoor measuring of volumes, surface areas and lengths of curves, the tools and their uses, together with the calculations with traditional mathematics are usually tedious and expensive in labor and costs. The talk shall show that there are ways to transform complicated mathematical problems in doing the survey work to simplified statistical problems regarding Euclidean volumes, areas, and lengths first. Then, by simply applying optical tools including laser distance guns and planary angle measurement devices from just a convenient location, we will be able to obtain the needed data to get solutions for the sizes of the questioned volumes, surface areas and curve lengths in the real world by related statistical treatments upon the data. Practical examples shall be illustrated to explain the speaker's primary thoughts on the whole idea.

敬請公佈 歡迎蒞臨

主辦單位: 國立成功大學統計學系暨數據科學研究所

敬邀

協辦單位: 國立成功大學附設醫院巨量科學中心

統計學系: <http://www.stat.ncku.edu.tw/>

校園地圖: <http://news.secr.ncku.edu.tw/p/412-1037-1384.php>

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