

For favour of posting

DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Departmental Seminar

Dr. Yuna ZHAO

School of Mathematics and Statistics
Shandong Normal University
China

Date Changed

will give a talk
entitled

DESIGNS FOR ORDER-OF-ADDITION EXPERIMENTS

Abstract

I will talk about the order-of-addition experiment which aims at determining the optimal order of adding components such that the response of interest is optimized. Order of addition has been widely involved in many areas, including bio-chemistry, food science, nutritional science, pharmaceutical science, etc. However, such an important study is rather primitive in statistical literature. We investigate the properties of the pair-wise ordering designs for order of addition. The value of the D-efficiency for the full pair-wise ordering model is derived. We also propose a class of minimal-point pair-wise ordering designs. A job scheduling problem as well as simulative studies are conducted to illustrate the performance of the pair-wise ordering designs for determining the optimal orders. It is shown that the proposed designs are very efficient in determining the optimal order of addition.

on

Thursday, August 15, 2019

~~Friday, August 16, 2019~~

*(Refreshments will be served from **10:45 a.m.** outside Room 301 Run Run Shaw Building)*

11:00 a.m. – 12:00 noon

~~10:30 a.m. – 11:30 a.m.~~

at

Room 301, Run Run Shaw Building

Visitors Please Note that the University has limited parking space. If you are driving please call the Department at 3917 2466 for parking arrangement.

All interested are welcome