DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Seminar

Professor Bimal K. SINHA

Center for Disclosure Avoidance Research (CDAR)
Census Bureau
University of Maryland Baltimore County (UMBC)
U.S.A.

will give a talk

entitled

AN OVERVIEW OF DATA ANALYSIS UNDER CONFIDENTIALITY PROTECTION - ANALYSIS OF NOISE MULTIPLIED & SYNTHETIC DATA

Abstract

Statistical agencies such as the US Census Bureau routinely collect data under law, parts of which are highly sensitive and hence require privacy protection before the data can be released to the public. Creating model-based synthetic data is a very common method to hide real data, but its exact analysis is far from being simple. Likewise, noise multiplication is another simple idea to create unreal data. We will discuss exact data analysis methods under both noise multiplication & two different versions of synthetic data.

The entire analysis is non-asymptotic in nature.

on

Wednesday, November 4, 2015

(Refreshments will be served from 2:15 p.m. <u>outside Room 301 Run Run Shaw Building</u>)

2:30 p.m. – 3:30 p.m.

at

Room 301, Run Run Shaw Building

<u>Visitors Please Note</u> 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