

COLLOQUIUM

SOME ASPECTS OF DATA ANALYSIS UNDER CONFIDENTIALITY PROTECTION

10-9-14

NECKERS 156 | 3:00PM

RECEPTION IMMEDIATELY FOLLOWING IN THE MATH LIBRARY

PROF. BIMAL SINHA

PRESIDENTIAL RESEARCH PROFESSOR, UMBC & BOARD OF REGENTS
PROFESSOR OF THE UNIVERSITY SYSTEM OF MARYLAND

ABSTRACT:

Statisticians working in most federal agencies are often faced with two conflicting objectives: (1) collect and publish useful data sets for designing public policies and building scientific theories, and (2) protect confidentiality of data respondents which is essential to uphold public trust, leading to better response rates and data accuracy. In this talk I will provide a survey of two statistical methods currently used at the U.S. Census Bureau: synthetic data and noise perturbed data.
