

January 10, 2018

Dear colleagues,

We are proud that our distinguished guest, Dr. Monika Hu, will give a talk at "Kanazawa Workshop on Statistical Disclosure Control", which will be held on Jan. 21 (Sun), 2018.

This workshop is open to anyone, though English language is used. Please find the information of (1) her talk and (2) the workshop below.

(1) Dr. Monika Hu's talk

Title: "The synthetic data approach to data confidentiality"

Abstract: In this talk, I will introduce the synthetic data approach to data confidentiality. Two projects on this topic will be presented. The first one is methodology focused, developing a Bayesian model for estimating the joint distribution of multivariate categorical data when units are nested within groups, with the application of simulating synthetic Decennial Census, demonstrated with a subset of the American Community Survey (ACS). The second one is application focused, evaluating different synthesizers to provide detailed geocoding information for external researchers, demonstrated with the Integrated Employment Biographies (IEB) dataset from the Institute for Employment Research (IAB) in Germany.

Bio: Monika Hu is an assistant professor of statistics at Vassar College, USA. Her research interests lie in Bayesian methodology for simulating synthetic datasets for public release.

(2) Kanazawa Workshop on SDC

Date: January 21 (Sun), 2018

Venue: Kanazawa University Satellite Plaza

-address: 16, 3-bancho, Nishi-cho, Kanazawa 920-0913, Japan.

Program:

10:00, Opening

10:00-11:30, "The synthetic data approach to data confidentiality",  
Monika Hu (Vassar College, USA)

11:30-13:30, Lunch

13:00-13:30, "A Quantitative Assessment of Anonymized Microdata  
Created Through Perturbative Methods",  
Shinsuke Ito (Chuo University)

13:30-14:00, "SDC of Regression Analysis for Preserving  $R^2$  and t-values",  
Yuzo Maruyama (University of Tokyo)

14:00-14:30, "Risk Assessment for Microdata Perturbed by Adding Noise",  
Shido Sai (Okayama Shoka University)

14:30-15:00, "Perturbation with Generalized Multinomial Distributions",  
Nobuaki Hoshino (Kanazawa University)

15:00, Closing

Regards,

Nobuaki Hoshino  
Kanazawa University