

STATISTICS COLLOQUIUM

MONDAY, APRIL 11, 2011

TALK: 4:00 PM — SCIENCE CENTER RM. 309

RECEPTION: 5:15 PM — SCIENCE CENTER, 7TH FLOOR

“On calibration for survey sampling and missing data problems”

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ABSTRACT

Calibration is widely used to exploit auxiliary information in the form of known population means in various areas. Examples include Monte Carlo computation, survey sampling, and missing data problems. In this talk, we present some ongoing work aimed to connect and compare various calibration estimators in such different areas. A number of interesting results as well as open questions are obtained, regarding likelihood methods for survey sampling, finite-population correction, first and higher-order efficiency, and conditional inference.