OUT OF CONTROL: COMPARISON GROUPS WHOLE-BUILDING

Moderator: M. Sami Khawaja, Cadmus

PAPERS:

Finding Your Perfect Match: A Qualitative Investigation of Matching Approaches
Abigail Nguyen, Applied Energy Group
Kelly Marrin, Applied Energy Group
Katherine Chiccarelli, Applied Energy Group
Andrew Lee, Pacific Gas and Electric Company
Model-Based Matching and Other Benefits of High-Frequency Interval Data
Lullit Getachew, DNV GL
Jon Farland, DNV GL
Ken Agnew, DNV GL
Valerie Richardson, DNV GL
Gomathi Sadhasivan, DNV GL
Peter Franzese, California Public Utilities Commission

SESSION SUMMARY:

The papers in this session explore different methods of finding the best comparison group for conducting billing analysis when random control trial is not an option. One paper explores two possible advantages of Advanced Meter Infrastructure (AMI) data for the development of matched comparison groups. The other paper investigates the relevance and applicability propensity score matching and Euclidean distance matching using real utility data for a diverse, residential population by simulating EM&V analyses on three typical demand response and behavioral programs.
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