

The Creative Tension Between Statistics and Economics: Recent Developments

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Cross Fertilization Extremely Productive

My start to collaborations with economists:

Angrist, Imbens & Rubin (1996, JASA)

Bridged: Instrumental Variables (IV)

Rubin Causal Model (RCM)

Making connections:

Allowed Likelihood and Bayesian approaches (Hirano, Imbens, Rubin & Zhou, 2004)

Stimulated substantial generalizations of IV

Principal Stratification (Frangakis & Rubin, 2002, Biometrics)

E.g., Zhang, Rubin & Mealli (2008, Advances in Economics), Jin & Rubin (2008, JASA), Zhang, Rubin & Mealli (2009, JASA), Mealli & Rubin (2003, J Econometrics)

Present and Future

- Matching and propensity score methodology further developed by economists (e.g., Imbens, Abadie & Hahn)
- Text on causal inference (Imbens & Rubin, 2010)
- Wonderful time for statisticians to be working with economists