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RESEARCH AND TEACHING FIELDS

Research: Industrial Organization, Econometrics, Applied Microeconomics

Teaching: Econometrics, Microeconomics, Industrial Organization

DOCTORAL STUDIES

Ph.D., Economics, Northwestern University, Evanston, Illinois

Dissertation: Discrete Games with Flexible Information Structures

Committee Chairpersons: Professors Aviv Nevo and Elie Tamer

Date of Completion: July 2010 (expected)

PREDOCTORAL STUDIES

M.A.: Economics, Northwestern University, Evanston, IL, 2007.

M.S.: Computer Science, College of William and Mary, Williamsburg, VA, 2003.

B.A.: Economics, College of William and Mary, Williamsburg, VA, 2002.

FELLOWSHIPS AND AWARDS

Robert Eisner Memorial Graduate Fellowship, 2008.

Phi Beta Kappa, 2002.

TEACHING EXPERIENCE

Teaching Assistant, Northwestern University, 2006-2009.

381-1,2 Undergraduate Econometrics I & II

450-2 Graduate Industrial Organization

Teaching Assistant, Kellogg School of Management, 2006.

MGMT-431 Business Strategy

RESEARCH EXPERIENCE

Research Assistant to Professor Mark Satterthwaite, 2007-2008.

JOB MARKET PAPER

“Discrete Choice Games with Flexible Information Structure: An Application to Local Grocery Markets”

Empirical investigation of discrete choice games requires assumptions about payoff functions and player information sets. In practice, applied researchers have focused on estimation of payoff functions using strict informational assumptions. In this paper, I propose a flexible information structure which nests the two most common informational assumptions: pure complete and incomplete information. As in other models of discrete-choice games, the parameters of player payoff functions are point identified if the model covariates have sufficiently rich support. In addition, the model provides testable restrictions on the information structure of the data generating process. I apply the model to study the impact of supercenters on entry and exit patterns of grocery stores, I show that the model can produce useful bounds on counterfactual outcomes. I find that models that account for only incomplete information are excluded from the confidence set of the general model. Moreover, a flexible information structure enhances the credibility of empirical studies of games by allowing for levels of uncertainty between players that are consistent with the data but are assumed away under stronger assumptions.

Paul Grieco, Page 2

OTHER PAPERS AND WORK IN PROGRESS

“Who Pays for Switching Costs?” (with Guy Arie), 2009.

“Numerical Approximation of an Equilibrium Correspondence”, 2008.

“Unigeniture in an Uncertain World” (with Nicolas L. Ziebarth), 2009.

“Payoff to America from Globalization” (with Scott C. Bradford and Gary Clyde Hufbauer), *World Economy*, 2006.

“Comparing Implicit Representations of Large CTMCs” (with Gianfranco Ciardo, Massimo Forno, and Andrew Miner), *4th Int. Conference on the Numerical Solution of Markov Chains*, 2003.

PERSONAL INFORMATION

Age: 29

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REFERENCES

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