

YINGYAO HU**CONTACT INFORMATION**

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 Address : Department of Economics, Johns Hopkins University, 440 Mergenthaler Hall, 3400 N. Charles Street, Baltimore, MD 21218, USA

PERSONAL INFORMATION

Marital status : Married to Wei with a boy (2005) and a girl (2008)
 Citizenship : People's Republic of China
 Visa status : United States permanent resident

EDUCATION

Fall 1998 – Spring 2003: Johns Hopkins University.
 Ph.D. in Economics, 2003, advisors: Geert Ridder (primary) and Robert Moffitt.
 M.S.E. in Mathematical Sciences, 2001, Dept. of Applied Mathematics & Statistics.
 M.A. in Economics, 2001.
 Fall 1997 – Spring 1998: Michigan State University.
 Coursework, Department of Economics.
 Fall 1994 – Spring 1997: Fudan University, Shanghai, China.
 M.A. in International Finance, 1997, School of Economics.
 Fall 1989 – Spring 1994: Tsinghua University, Beijing, China.
 B.E. in Management Information Systems, 1994, School of Economics and Management.

ACADEMIC EXPERIENCE

July 2011 – present Associate Professor, with tenure, Department of Economics, Johns Hopkins University
 July 2007 – June 2011 Assistant Professor, Department of Economics, Johns Hopkins University
 Aug. 2003 – June 2007 Assistant Professor, Department of Economics, University of Texas at Austin
 Feb. 2008 – present Research Fellow, Institute for the Study of Labor (IZA), Bonn, Germany
 Dec. 2011 Visiting Scholar, Department of Economics, Tsinghua University and Beijing Normal University, China
 July 2011 Visiting Scholar, Department of Economics, Renmin University of China
 Sept. 2010 – Dec. 2010 Visiting Scholar, Department of Economics, University of Maryland, College Park

Sept. 2008 – Dec. 2008 Visiting Scholar, Department of Economics, Harvard University

PROFESSIONAL ACTIVITIES

Associate Editor, *Journal of Econometrics*, Jan. 2012 –.

RESEARCH INTERESTS

Micro-econometrics and its applications in industrial organization and labor economics; Measurement error models; Latent variable models; Nonparametric identification.

PUBLICATIONS

Misclassification errors and the underestimation of U.S. unemployment rates (with Shuaizhang Feng), *American Economic Review*, forthcoming

Well-posedness of measurement error models for self-reported data (with Yonghong An), *Journal of Econometrics*, vol. 168 (2012), pages 259-269.

Estimation of nonlinear models with mismeasured regressors using marginal information (with Geert Ridder), *Journal of Applied Econometrics*, forthcoming.

Estimating first-price auctions with an unknown number of bidders: a misclassification approach (with Yonghong An and Matthew Shum), *Journal of Econometrics*, vol. 157 (2010), pages 328-341.

Identification and inference in nonlinear models using two samples with nonclassical measurement errors (with Raymond Carroll and Xiaohong Chen), *Journal of Nonparametric Statistics*, 22 (2010), issue 4, pages 379-399. (JNPS 2010 Best Paper Award)

Rejoinder: Identification and inference in nonlinear models using two samples with nonclassical measurement errors (with Raymond Carroll and Xiaohong Chen), *Journal of Nonparametric Statistics*, 22 (2010), issue 4, pages 419-423.

On deconvolution as a first stage nonparametric estimator (with Geert Ridder), *Econometric Reviews*, vol. 29 (2010), issue 4, pages 1-32.

The fertility effect of catastrophe: U.S. hurricane births, (with Rick Evans and Zhong Zhao), *Journal of Population Economics*, vol. 23 (2010), issue 1, pages 1-36.

Bounding the effect of a dichotomous regressor with arbitrary measurement errors (with P. Deng), *Economics Letters*, vol. 105 (2009), issue 3, pages 256-260.

Nonparametric identification and estimation of nonclassical errors-in-variables models without additional information (with Xiaohong Chen and Arthur Lewbel), *Statistica Sinica*, 19 (2009), pages 949-968.

Nonparametric identification of regression models containing a misclassified dichotomous regressor without instruments (with Xiaohong Chen and Arthur Lewbel), *Economics Letters*, vol. 100 (2008), issue 3, pages 381-384.

A note on the closed-form identification of regression models with a mismeasured binary regressor (with Xiaohong Chen and Arthur Lewbel), *Statistics and Probability Letters*, vol. 78 (2008), issue 12, pages 1473-1479.

Instrumental variable treatment of nonclassical measurement error models (with Susanne Schennach), *Econometrica*, vol. 76, no. 1 (2008), pages 195–216.

Identification and estimation of nonlinear models with misclassification error using instrumental variables: a general solution, *Journal of Econometrics*, vol. 144 (2008), issue 1, pages 27-61.

Bounding parameters in a linear regression model with a mismeasured regressor using additional information, *Journal of Econometrics* 133 (2006), issue 1, pages 51-70.

Is area yield insurance competitive with farm yield insurance? (with Barry Barnett, Roy Black, and Jerry Skees) *Journal of Agricultural and Resource Economics*, vol. 30 (2005), no. 2, pages 285-301.

OTHER PUBLICATIONS

Returns to lying? Identifying the effects of misreporting when the truth is unobserved (with Arthur Lewbel), *Frontiers of Economics in China*, forthcoming.

Cooperatives and capital markets: the case of Minnesota-Dakota sugar beet cooperatives, (with J. Roy Black and Barry J. Barnett) *American Journal of Agricultural Economics*, vol. 81 (1999), no. 5, proceedings issue, pages 1240-1246.

Early publications in China include four papers and a book, available upon request.

WORKING PAPERS

Identifiability and inference of hidden Markov models: a new approach, (with Yonghong An and Matthew Shum)

Misclassification of schooling in survey and transcript samples (with Ruli Xiao and Xiaohan Zhong)

Estimating production functions with robustness against errors in the proxy variables (with Guofang Huang). Working Paper, Department of Economics, Johns Hopkins University, *Revise and Resubmit*

Nonparametric identification using instrumental variables: sufficient conditions for completeness (with Ji-Liang Shiu). Working Paper #581, Department of Economics, Johns Hopkins University.

Identification and estimation of nonlinear dynamic panel data models with unobserved covariates (with Ji-Liang Shiu). Working Paper #557, Department of Economics, Johns Hopkins University. *Revise and Resubmit*

Nonparametric learning rules from bandit experiments: the eyes have it! (with Yutaka Kayaba and Matthew Shum). Working Paper #560, Department of Economics, Johns Hopkins University.

Nonparametric identification of first-price auctions with non-separable unobserved heterogeneity (with David McAdams and Matthew Shum). Working Paper #553, Department of Economics, Johns Hopkins University. *Revise and Resubmit*

Nonparametric identification of dynamic models with unobserved state variables (with Matthew Shum), Working Paper #543, Department of Economics, Johns Hopkins University; Cemmap Working Paper CWP13/08. *Revise and Resubmit*

A simple estimator for dynamic models with serially correlated unobservables (with Matthew Shum and Wei Tan). Working Paper #558, Department of Economics, Johns Hopkins University. *Revise and Resubmit*

Horizontal mergers of online firms: structural estimation and competitive effects (with Yonghong An and Michael Baye, John Morgan and Matthew Shum). Working Paper #564, Department of Economics, Johns Hopkins University.

Nonparametric identification of the classical errors-in-variables model without side information (with Susanne Schennach)

Identifying dynamic games with serially-correlated unobservables (with Matthew Shum), Working Paper #546, Department of Economics, Johns Hopkins University.

WORK IN PROGRESS

Estimation of a linear index model with a mismeasured endogenous variable (Ji-Liang Shiu and Tiemen Woutersen)

Estimating dynamic models with unobserved state variables (with Matthew Shum)

Identification of dynamic insurance models (with Olivia Cessarini and Elena Krasnokutskaya)

Misclassification of schooling in survey and transcript samples (with Ruli Xiao)

A spectral decomposition estimator of nonparametric learning rules (with Ji-Liang Shiu and Matthew Shum)

Identification of semiparametric measurement error models (with Ji-Liang Shiu)

AWARDS & HONORS

Summer Research Assignment, University of Texas at Austin, Summer 2004.

Carl Christ Fellowship to outstanding graduate students at the dissertation stage of their research in economics, Johns Hopkins University, 2002.

Eugenio and Patricia Castillo Award to the best first- or second- year student in economics, Johns Hopkins University, 2000.

Departmental Fellowship, Johns Hopkins University, Spring 1999-2002.

TEACHING

University of Texas:

Fall 2003: ECO 329 (Undergraduate Economic Statistics), ECO 341K (Undergraduate Econometrics)

Fall 2004: ECO 329, ECO 392M.2 (Graduate Econometrics I)

Fall 2005: ECO 329, ECO 392M.2

Spring 2006: ECO 329, Research seminar

Spring 2007: ECO 329, ECO 392M.2, Research seminar

Johns Hopkins University:

Spring 2008: 180.633 (Graduate Econometrics), 180.638 (Graduate Micro-econometrics II)

Spring 2009: 180.633, 180.638

Fall 2009: 180.694 (Applied Micro Workshop)

Spring 2010: 180.633, 180.638

Spring 2011: 180.334 (Undergraduate Econometrics), 180.633, 180.638

Spring 2012: 180.334, 180.633, 180.638

Fall 2012: 180.694

OTHER ACTIVITIES

Referee:

American Economic Review

Annals of Statistics

Biometrical Journal

Econometrica

Econometrics Journal

Econometric Reviews

Econometric Theory

Economics Letters
National Science Foundation (panelist & reviewer)
International Economic Review
Journal of Applied Econometrics
Journal of Business and Economic Statistics
Journal of Econometrics
Journal of Labor Economics
Journal of Nonparametric Statistics
Journal of Population Economics
Journal of Statistical Computation and Simulation
Journal of the American Statistical Association
Journal of the Royal Statistical Society
Oxford Bulletin of Economics and Statistics
Psychometrika
RAND Journal of Economics
Research Grants Council of Hong Kong
Review of Economic Studies
Review of Economics and Statistics
Social Sciences and Humanities Research Council of Canada
Statistica Sinica.

Presentations:

2011

“Nonparametric identification using instrumental variables: sufficient conditions for completeness”

16th World Congress of the International Economics Association, Beijing (invited)

“Nonparametric learning rules from bandit experiments: the eyes have it!”

University of Pittsburgh
University of Maryland
Vanderbilt University

2010

“Nonparametric learning rules from bandit experiments: the eyes have it!”

University of Arizona
University of Texas at Austin
Brown University
Columbia University
University of Southern California
University of California, Davis

“Well-posedness of measurement error models for self-reported data”

Econometric Society World Congress, Shanghai, China

2009

“Identifying dynamic games with serially-correlated unobservables”

International Symposium on Econometric Theory and Applications, Kyoto University.

Far East and South Asia Meeting of the Econometric Society, Tokyo University.

“Nonparametric identification of dynamic models with unobserved state variables”

University of Minnesota

University of Virginia

University of Michigan

New York University

2008

“Nonparametric identification of dynamic models with unobserved state variables”

University of Pennsylvania

Far East and South Asia Meeting of the Econometric Society, Singapore Management University.

Penn State University

Harvard University

University College London

Clark University

Massachusetts Institute of Technology

Boston University

Greater New York Econometrics Colloquium, Princeton University.

“Nonparametric estimation of auctions with unobserved number of bidders: a misclassification approach”

University of Montreal

2007

“Instrumental variable treatment of nonclassical measurement error models”

Johns Hopkins University

“Nonparametric identification and estimation of nonclassical errors-in-variables models without additional information”

North American Summer Meeting of the Econometric Society, Duke University.

“Identification and inference in nonlinear models using two samples with nonclassical measurement errors”

University of Western Ontario

Ohio State University

Economics & Biostatistics Joint Workshop, Johns Hopkins University

“Nonparametric estimation of auctions with unobserved number of bidders: a misclassification approach”

Yale University

2006

“Identification and inference in nonlinear models using two samples with nonclassical measurement errors”

University of Texas - ITAM conference.

Southern Economic Association annual meeting.

North American Summer Meeting of the Econometric Society, University of Minnesota.

“Instrumental variable treatment of nonclassical measurement error models”

New York University

Institute for the Study of Labor (IZA), Germany

2005

“Identification and estimation of nonlinear models with misclassification error using instrumental variables: a general solution”

Econometric Society World Congress, University College London.

Texas Econometrics Camp.

2004

“Estimation of nonlinear models with measurement error using marginal information”

North American Summer Meeting of the Econometric Society, Brown University.

“Identification and estimation of nonlinear models with misclassification error using instrumental variables: a general solution”

Texas Econometrics Camp.

University of Texas at Austin

2003

“Estimation of nonlinear models with measurement error using marginal information”

Georgetown University

Queen’s University

University of British Columbia

University of Texas at Austin

University of Toronto

University of Western Ontario

PhD dissertation primary advisor:

Johns Hopkins University: Yonghong An (2011, University of Connecticut, Department of Economics)

PhD dissertation committee member:

University of Texas: Dong Li, Feng Hong, Xiaolou Yang

Johns Hopkins University: Zhixiang Zhang, Ji-Liang Shiu, Chi Wang, Wendy Chi, Su-Hsin Chang, Haomiao Yu, Xia Zhou, Wei Xiao, Kai Liu

Graduate admissions committee:

University of Texas: 2005, 2006, 2007

Johns Hopkins University: 2008, 2009 (co-chair), 2010 (co-chair), 2011

Recruiting committee:

University of Texas: 2007

Johns Hopkins University: 2007, 2011(chair)

Grievance committee: Johns Hopkins University, Homewood campus, 2011-

Research Assistant:

To Robert Moffitt, Johns Hopkins University, 2001.

To J. Roy Black, Michigan State University, Summer 1998.

Consultant:

University of Kentucky Research Foundation, Summer 2001.

World Bank, Rural Development Department, Spring 2000.