

William C. Horrace

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Education

Ph.D. Economics, Michigan State University, 1996.
M.A. Economics, Michigan State University, 1994.
M.B.A., University of Baltimore, 1991.

Appointments

Associate Professor of Economics (with Tenure), Syracuse University. 2002 to Present.
Visiting Faculty Scholar, Agricultural and Resource Economics, UC Berkeley. Fall 2007.
Associate Professor of Economics (with Tenure), University of Arizona. 2002 to 2003.
Assistant Professor of Economics, University of Arizona. 1996 to 2002.
Senior Research Associate, Center for Policy Research. Syracuse University. 2002 to Present.
Research Economist, National Bureau of Economic Research, Cambridge, MA. 2000 to Present.
Research Associate, Michigan State University. 1996.

Teaching

Graduate: Econometrics, Econometric Topics, Mathematical Economics, Probability & Statistics, Forecasting.

Undergraduate: Econometrics, Probability & Statistics, Intermediate Micro & Macroeconomics.

Thesis Committee Membership: Nayef Al-Shammari, Elizabeth Ashby, Douglas Bergman, Francisco Bido (Masters), Tolga Bilgicir (Marketing), Yong Chen, Ana Dammert, Daron Djerdjian, Viliam Druska, Andrew Grodner, Ryan Johnson, Shoko Kato (Masters), Anil Kumar, Liqun Liu, Long Liu, Xuepeng Liu, Xiaoli Liang, Joseph Marchand, Cristian Meghea, Kontee Nuchsuwan, Marcel Nzeukou (Mathematics), Shawn Rohlin, Cameron Rookley, Kenneth Roskelley (Finance), Jonathan Schwabish, Claudia Smith, Alexander Sugiyama, Supriya Sarnikar, Sally Turbyville (Masters), Beyza Ural, Jerry Yang (Finance).

Sponsored Projects

Occupational Risk & Rights-Based Fisheries Policy, NSF, SES-0719105 (2007-2008), \$108,000.
Structural Model of Motor Carrier Accident Behavior, Bridge Fund, Syracuse University (2005) \$15,000.
Research in Econometric Theory, The Maxwell School, Syracuse University (2003-2006) \$72,666.
The Economic Impact of the New Deal, NSF, SES-0214395 (2002-2004), \$386,827.
The Impact of the New Deal on Local Economic Development, NSF, SES-0080324 (2000-2002), \$283,187.
Research in Econometrics with Applications, University of Arizona Foundation (1997-2002) \$67,000.
Research in Econometric Theory, NSF Mentoring Supplement to SES-9222728 (1995), \$11,968.

Honors & Awards

Syracuse University Vice Chancellor's Research Fellow. 2002 to 2012.
Outstanding University of Arizona Faculty Award, Mortar Board Society. 1999.
Faculty Appreciation Award, University of Arizona, College of Business Student Council. 1998 & 1999.
Ford Foundation Diversity Fellow - Dissertation Award. 1995 to 1996.
King-Chavez-Parks Doctoral Fellow. 1993 to 1996.
Consortium on Institutional Cooperation Doctoral Fellow. 1991 to 1996.
Michigan State University Doctoral Fellow. 1991.
Eli Broad School of Business Doctoral Fellow. 1991.
American Economics Association Minority Scholar. 1991.
Temple University Outstanding Engineering Student. 1985.

Peer-Reviewed Journal Articles

Theoretical and Applied Econometrics

1. Flores-Lagunes A, Horrace WC, Schnier KE. Identifying technically efficient fishing vessels: a non-empty, minimal subset approach. **Journal of Applied Econometrics**, 22(2007): 729-745.
2. Feng Q, Horrace WC. Fixed-effect estimation of technical efficiency with time-invariant dummies. **Economics Letters**, 95(2007): 247-252.
3. Horrace WC, Oaxaca RL. Results on the bias and inconsistency of ordinary least squares for the linear probability model. **Economics Letters**, 90(2006): 321-327.
4. Horrace WC. On ranking and selection from independent truncated normal distributions. **Journal of Econometrics**, 126(2005): 335-354.
5. Horrace WC. Some results on the multivariate truncated normal distribution. **Journal of Multivariate Analysis**, 94(2005): 209-221.
6. Horrace WC. On the ranking uncertainty of labor market wage gaps. **Journal of Population Economics**, 18(2005): 181-187.
7. Druska V, Horrace WC. Generalized moments estimation for spatial panel data: Indonesian rice farming. **American Journal of Agricultural Economics**, 86(2004): 185-198
8. Horrace WC, Oaxaca RL. Inter-industry wage differentials and the gender wage gap: an identification problem. **Industrial & Labor Relations Review**, 54(2001): 611-618.
9. Horrace WC, Schmidt P. Multiple comparisons with the best, with economic applications. **Journal of Applied Econometrics**, 15(2000): 1-26 (*lead article*).
10. Horrace WC. Tables of percentage points of the k -variate normal distribution for large values of k . **Communications in Statistics: Simulation & Computation**, 27(1998): 823-831.
11. Horrace WC. Submodel estimation of a structural vector error correction model under cointegration. **Economics Letters**, 59(1998): 23-29.
12. Horrace WC, Schmidt P. Confidence statements for efficiency estimates from stochastic frontier models. **Journal of Productivity Analysis**, 7(1996): 257-282.

Applications

13. Horrace WC, Marchand JT, Smeeding TM. Ranking inequality: applications of multivariate subset selection. **Journal of Economic Inequality** 6(2008): 5-32 (*lead article*).

Peer-Reviewed Journal Articles (continued)

Applications (continued)

14. Ural BP, Horrace WC, Jung JH. Inter-industry gender wage gaps by knowledge intensity: discrimination and technology in Korea. **Applied Economics**, (forthcoming).
15. Fishback PV, Horrace WC, Kantor S. The impact of New Deal expenditures on mobility during the Great Depression. **Explorations in Economic History**, 43(2006): 179-222 (*lead article*).
16. Horrace WC. Selection procedures for economics, **Applied Economics Quarterly**, 52(2006): 357-374.
17. Fishback PV, Horrace WC, Kantor S. Did New Deal grant programs stimulate local economies? A study of federal grants and retail sales during the Great Depression. **Journal of Economic History**, 65(2005): 36-71.
18. Goode MJ, Horrace WC, Sredl MJ, Howland JM. Habitat destruction by collectors associated with decreased abundance of rock-dwelling lizards. **Biological Conservation**, 125(2005): 47-54.
19. Shaw JW, Horrace WC, Vogel RJ. The determinants of life expectancy: an analysis of the OECD health data. **Southern Economic Journal**, 71(2005): 768-783.
20. Horrace WC, Keane TP. Ranking and selection of motor carrier safety performance by commodity. **Accident Analysis & Prevention**, 36(2004): 953-960.
21. Fraser IM, Horrace WC. Technical efficiency of Australian wool production: point and confidence interval estimates. **Journal of Productivity Analysis**, 20(2003): 169-190.
22. Horrace WC, Schmidt P, Witte AD. Sampling errors and confidence intervals for order statistics: implementing the Family Support Act and welfare reform. **Journal of Economic & Social Measurement**, 24(1998): 181-207.

Published Chapters, Discussions & Entries

1. Horrace WC. **Stochastic Frontier Analysis**, in International Encyclopedia of Social Sciences, 2nd Edition, Vol. 8, (WA Darity, ed.). Thomson/Gale, Farmington Hills, MI (2008): 148-149.
2. Horrace WC. **Identification Problem**, in Encyclopedia of Social Science Research Methods, Vol. II, (M Lewis-Beck, A Bryman, & F Liao, eds.). Sage Publications, Thousand Oaks, CA (2004): 474-475.
3. Horrace WC, Hernandez C. The characteristic function from a family of truncated normal distributions. Problem 01.5.2, **Econometric Theory**, 17(2001): 1026.
4. Billings RB, Horrace WC, Agthe DE. State space vs. econometric techniques for forecasting monthly urban water demand. **Journal of Water Resources Planning & Management**, 125(1999): 241-242.

Service*Intramural Citizenship*

Syracuse University, Maxwell School of Citizenship, Daniel Patrick Moynihan Chair Search Committee, 2007
 Syracuse University, College of Arts & Sciences, Ad Hoc Promotion Advisory Committee, 2007.
 Syracuse University, Undergraduate Economics Club Debate, 2006.
 Syracuse University, Economics Department, Research Evaluation Committee, 2006.
 Syracuse University, Economics Department, Junior Faculty Advisor, 2006 to Present.
 Syracuse University, Workshop for Minority Graduate Student Retention, Faculty Representative, 2006.
 Syracuse University, Hearing Committee on Academic Freedom, Tenure, and Professional Ethics, 2006.
 Syracuse University, College of Arts & Sciences, Promotion & Tenure Committee, 2004 to 2006.
 Syracuse University, Economics Department, Econometrics Recruiting Committee Chair, 2004.
 Syracuse University, Economics Department, Econometrics Luncheon Organizer, 2005 to Present.
 Syracuse University, Economics Department, Graduate Studies Committee, 2003 to 2005.
 Syracuse University, College of Arts & Sciences, Joint Committee on Statistics, 2003 to 2004.
 Syracuse University, Economics Department, Promotion & Tenure Committee, 2003.
 Syracuse University, Economics Department, Recruiting Committee, 2002 to Present.
 Syracuse University, Economics Department, Library Liaison, 2002 to Present.
 University of Arizona, Guest Lecturer, ECON 508, MAP 276, and MAP 320, 1997 to 2002.
 University of Arizona, Economics Department, Graduate Studies Committee, 1997 to 2002.
 University of Arizona, Economics Department, Faculty Selection Committee, 1998 to 2000.
 University of Arizona, Africana Studies Faculty Selection Committee, 1998.
 University of Arizona, Economics Department, Information Systems Committee, 1996 to 2002.

Extramural Citizenship

Session Chair, New York Camp Econometrics, Saratoga Springs, NY, 2007.
 Associate Editor, Southern Economic Journal, 2001 to 2006.
 Session Co-Organizer, ASSA Meetings, Philadelphia, PA, 2005.
 Proposal Review, US Census Bureau, Center for Economic Studies, 2004.
 Session Chair, North American Productivity Workshop, Toronto, Canada, 2004.
 Session Chair, Latin American Econometric Society Meetings, Buenos Aires, Argentina, 2001.
 Discussant, Southern Economic Association Meetings, Baltimore, MD, 1998.
 Discussant, Econometric Society Summer Meeting, Montreal, Canada, 1998.
 Arizona Econometrics Group Organizer, 1996 to 2002.
 Manuscript Review: Oxford University Press, Duxbury Press, Addison-Wesley.
 Refereeing: *Accident Analysis & Prevention, Australian Economic Papers, Bernoulli, Economic Inquiry, Communications in Statistics, Computational Statistics & Data Analysis, Econometric Reviews, Empirical Economics, Energy Journal, Journal of Applied Econometrics, Journal of Business & Economic Statistics, Journal of Clinical Psychology, Journal of Econometrics, Journal of Economic History, Journal of Human Resources, Journal of Labor Economics, Journal of Population Economics, Journal of Productivity Analysis, Journal of Regional Science, Journal of Urban Economics, Labour Economics, Metrika, Portuguese Economic Journal, Review of Economics & Statistics, Southern Economic Journal.*

Outreach

Greater Than the Sum: Systems Thinking in Tobacco Control, Tobacco Control Monograph 18, NCI, 2007.
 Spatial Measures of Technical Efficiency, National Marine Fisheries Service, 2006.
 Police-Citizen Encounter Study in the City of Syracuse, Syracuse Common Council, Syracuse, NY, 2005.
 Child Care Market Studies, States of Delaware, Massachusetts, and Florida, 1995 to Present.
 Federal Motor Carrier Safety Administration, Motor Carrier Safety Analysis, 2000 to 2004.
 Freshman Forum Leader, College of Arts & Sciences, Syracuse University, 2003.
 Faculty Mentor, Blue Chip Leadership Program, University of Arizona, 2001.
 Guest Lecturer, Leadership Education and Development Program, University of Arizona, 1998 to 2001.
 Faculty Advisor, Flinn Scholarship Program, University of Arizona, 1998.
 Instructor, Executive MBA Program, University of Arizona, 1997 to 2001.
 Guest Lecturer, AEA Summer Minority Program, Stanford University, 1995.

Scholarly Presentations & Addresses

Conferences

New York Camp Econometrics, Ithaca, NY. Apr 2008. **Invited**
Auctions and Games: A Conference for the Journal of Econometrics. Oct 2007. **Invited**
North American Productivity Workshop. New York University. Jun 2006. **Refereed**
New York Camp Econometrics, Saratoga Springs, NY. Feb 2006. **Invited**
American Economic Association Meetings. Philadelphia, PA. Jan 2005. **Invited**
Southern Economic Association Meetings. New Orleans, LA. Nov 2004. **Invited**
North American Productivity Workshop. University of Toronto. Jun 2004. **Refereed**
Current Developments in Productivity and Efficiency Measurement. University of Georgia. Oct 2002. **Invited**
Econometric Society Meetings. University of San Andreas, Buenos Aires. Jul 2001. **Refereed**
American Economic Association Meetings. Boston, MA. Jan 2000. **Invited**
International Conference on Multiple Comparisons. Berlin, Germany. Jun 2000. **Invited**
Efficiency & Productivity Workshop. Royal Vet. & Agric. University, Copenhagen. Oct 1999. **Refereed**
National Bureau of Economic Research, Summer Institute. Cambridge, MA. Jul 1999. **Invited**
Southern Economic Association Meetings. Baltimore, MD. Nov. 1998 **Invited**
Econometric Society North American Meetings. University of Montreal. Aug 1998. **Refereed**
Efficiency & Productivity Workshop. Royal Vet. & Agric. University, Copenhagen. Oct 1997. **Refereed**
Efficiency & Productivity Workshop. Université Catholique de Louvain, Belgium. Oct 1995. **Refereed**
Midwest Econometrics Group Meetings. Washington University, St. Louis. Oct 1995. **Invited**

Government Briefings & Testimony

Police-Citizen Encounters in Syracuse, New York. City of Syracuse, Common Council. Feb & May 2006.
Motor Carrier Safety by Commodity Segment. Federal Motor Carrier Safety Administration. Jan 2003.

Keynote Addresses

Faculty Convocation Address, Syracuse University, College of Arts & Sciences Convocation, May 2005.

Invited Seminars & Workshops

2008: Florida.
2007: Arizona State, Clemson, Georgia, RPI.
2006: Arizona, UC Berkeley, Drexel, Michigan State, SUNY Albany, Union, Virginia Tech.
2005: Florida State, Rutgers, Texas A&M.
2003: Binghamton.
2002: Syracuse.
1997: Arizona State.
1996: Arizona, Georgetown, Indiana, Missouri, North Carolina State, Texas (Austin), Wayne State.
1995: M.I.T., North Carolina, Princeton, Rice, Texas (Austin).