

David J. Doorn

University of Minnesota Duluth
Labovitz School of Business and Economics
Department of Economics
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Education

Academic Qualification in Finance, Virginia Polytechnic Institute and State University, 2011.
AACSB Post-Doctoral Bridge to Business Program, Finance Track

Ph D, North Carolina State University, 2003.

Major: Economics

Supporting Areas of Emphasis: Macroeconomics, Econometrics

Dissertation Title: "Three Essays on Trend Analysis and Misspecification in Structural Econometric Models"

Thesis Committee: Alastair Hall, John Seater, David Dickey, Atsushi Inoue

BA, University of Wisconsin Milwaukee, 1995.

Major: Economics, *Magna Cum Laude*

Supporting Areas of Emphasis: Macroeconomics and International Trade

Minor: Political Science

Academic Employment

Associate Professor of Economics, University of Minnesota Duluth, 2011 – present.

Assistant Professor of Economics, University of Minnesota Duluth, 2004 – 2010.

Adjunct Professor, Park University, Kansas City, MO, 2004.

Lecturer, University of North Carolina Greensboro, 2000 - 2002.

Professional Employment

Economist, U.S. Department of Labor, Bureau of Labor Statistics, July 2002 - August 2004.

Teaching Experience

University of Minnesota Duluth

Courses Taught: Principles of Economics: Macro
Applied Statistics for Business and Economics
Macroeconomic Analysis
Money and Banking
Monetary Theory and Policy
Applications of Economic Analysis (Econometrics II)

Courses taught at Park University and UNC-Greensboro included: Principles of Microeconomics, Principles of Macroeconomics, Intermediate Macroeconomics, Introductory Business Statistics, and an intermediate level Business Statistics course.

Non-Credit Instruction

Seminar, Internal to University of Minnesota Duluth, LSBE Tech Program, April 4, 2008.
Served as co-facilitator for a joint LSBE/CEHSP Tech Program session on using technology to enhance teaching and learning. I was the facilitator for the session on creating assessments in WebCT/WebVista, which consisted of a presentation I developed to illustrate the methodology along with a question and answer period which followed.

Published Intellectual Contributions

Refereed Journal Articles

- Schultz, J., Doorn, D. (2011) "Employer Health Benefit Costs and Demand for Part-time Labor." *Applied Economics Letters* 18 (3), 213-216.
- Doorn, D., Janssen, S., O'Brien, M. (2010). "Student Attitudes and Approaches to Online Homework." *International Journal for the Scholarship of Teaching and Learning* 4 (1), 1-20.
- Doorn, D., Jacobson, J. A. (2008). "Recent Employment Change in the U.S. Census Divisions." *Regional and Sectoral Economic Studies* 8 (2), 5-32.
- Doorn, D., O'Brien, M. (2007). "Assessing the Gains from Concept Mapping in Introductory Statistics." *International Journal for the Scholarship of Teaching and Learning* 2 (1), 1-19.
- Doorn, D. (2006). "Consequences of Hodrick-Prescott Filtering for Parameter Estimation in a Structural Model of Inventory Behavior." *Applied Economics* 38 (16), 1863-1876.

Other Publications

- Doorn, D. (2011). "Economic Impact of the Great Lakes and St. Lawrence Seaway System (GLSLS): Phase II." Duluth, MN/Superior, WI: Published in the *2010 GLMRI Annual Report to Congress, the U.S. Department of Transportation and the U.S. Maritime Administration*.
- Doorn, D. (2010). "Economic Impact of the Great Lakes and St. Lawrence Seaway System (GLSLS): Phase I." Duluth, MN/Superior, WI: Published in the *2009 GLMRI Annual Report to Congress, the U.S. Department of Transportation and the U.S. Maritime Administration*.
- Doorn, D., Schultz, J. (2009). "Employer Health Benefit Costs and Demand for Part-time Labor." *U.S. Census Bureau Center for Economic Studies Research Paper No. CES-WP-09-08*.
- Doorn, D. (2009). "Economic Impact of the Great Lakes and St. Lawrence Seaway System (GLSLS): Phase 1, Final Report." Duluth, MN/Superior, WI: Great Lakes Maritime Research Institute (GLMRI). www.glmri.org/downloads/2009Reports/doorn.pdf
- Doorn, D., Skurla, J., Jacobson, J. (2007). "Prepared Direct Testimony and Exhibits of Excelsior Energy Inc., MEP-I LLC, and MEP-II LLC." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research.
- Doorn, D., Skurla, J. (2006). "The Economic Impact of Constructing and Operating an Integrated Gasification Combined-Cycle Power-Generation Facility on the Iron Range UPDATE 2006: Mesaba One Impacts including Appendix A: Mesaba Two Impacts." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research. <https://lsbe.d.umn.edu/bber.php>

- Doorn, D., Skurla, J. (2006). "Economic Impact of Constructing and Operating Minnesota Steel Industries LLC in Itasca County, Minnesota." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research.
- Doorn, D., Skurla, J. (2006). "The Economic Impact of Constructing and Operating an Integrated Gasification Combined-Cycle Power-Generation Facility on Itasca County." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research.
- Doorn, D., Skurla, J. (2005). "Economic Impacts of PolyMet's NorthMet Project and other Industrial Projects on Minnesota's East Iron Range Communities." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research.
- Doorn, D., Skurla, J. (2005). "The Economic Impact of Constructing and Operating an Integrated Gasification Combined-Cycle Power-Generation Facility on the Iron Range." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research.
- Doorn, D., Skurla, J. Mageau, M. (2005). "Cook County/Grand Portage Alternative Energy Impact." University of Minnesota Duluth Labovitz School of Business and Economics, Bureau of Business and Economic Research, and UMD Center for Sustainable Community Development.

Book Supplements for Publisher

- Doorn, D. (2009). Developed review and study questions for the Online Learning Center for the 12th edition of *The Economy Today* by Brad Schiller. Hightstown, NJ: McGraw-Hill Publishing.
- Doorn, D. (2009). Created PowerPoint slides to accompany the 12th editions of *The Economy Today*, *The Macro Economy Today*, and *The Micro Economy Today* by Brad Schiller. Hightstown, NJ: McGraw-Hill Publishing.
- Doorn, D. (2009). Developed a PowerPoint presentation to accompany an update chapter for the *The Economy Today (11th ed.)* by Brad Schiller. Hightstown, NJ: McGraw-Hill Publishing.

Working Papers

- Doorn, D. "Volatility in Inventories and Sales: A Wavelet Analysis."
- Doorn, D., O'Brien, M., Janssen, S. "Student Attitudes and Learning Outcomes in General Economics Courses."
- Doorn, D. "Economic Impact of the Great Lakes and St. Lawrence Seaway System (GLSLS): Phase 2, Interim Report." Duluth, MN/Superior, WI: Great Lakes Maritime Research Institute (GLMRI).
- Doorn, D. "Trend Breaks in Finished Goods Inventories and Sales of Non-Durables."

Invited Presentations

"The Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 2" Presented at the Great Lakes Maritime Research Institute Annual Affiliates Meeting, Great Lakes Maritime Research Institute, Superior, WI, September 23, 2010.

"The Economic Impact of the Great Lakes and St. Lawrence Seaway System" Presented at the Wisconsin Commercial Ports Association Annual Meeting, Wisconsin Commercial Ports Association, Superior, WI, August 19, 2010.

"The Economic Impact of the Great Lakes and St. Lawrence Seaway System" Presented at Department of Economics Seminar Series, University of Minnesota Duluth, April 9, 2010.

"The Economic Impact of the Great Lakes and St. Lawrence Seaway System" Presented at Marine Community Day, Cleveland, OH, February 11, 2010.

"The Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 1" Presented at the Great Lakes Maritime Research Institute Annual Affiliates Meeting, Duluth, MN, September 24, 2009.

"Online Homework: Student Attitudes and Learning Outcomes in General Economics Courses" Presented at Department of Economics Seminar Series, University of Minnesota Duluth, March 11, 2009.

"The Economy of Northeast Minnesota: The Arrowhead Region" Presented at Conference on Sustaining the Flow of Wealth in Northeast Minnesota, Natural Resources Research Institute/Center for Water and the Environment, University of Minnesota Duluth, April 22, 2008.

"The Economic Impact of Constructing and Operating an Integrated Gasification Combined-Cycle Power Generation Facility on the Iron Range" for Excelsior Energy, with J. Skurla and K. Knudsen. Televised Public Hearing, Itasca Community College, Grand Rapids, MN, January 31, 2007.

"Assessing the Gains from Concept Mapping in Introductory Statistics" with M. O'Brien. Presented at Bush Colloquium III, Instructional Development Service and Bush Grant, University of Minnesota Duluth, November 29, 2006.

Conference Presentations

"A Wavelet Analysis of the Role of Volatility in Inventories and Sales Growth in the Great Moderation" Presented at the Joint Statistical Meetings of the American Statistical Association, Washington D.C., August 2, 2009.

"Student Attitudes and Learning Outcomes in General Economics Courses" with M. O'Brien and S. Janssen. Presented at the Scholarship of Teaching and Learning Commons Conference, Center for Excellence in Teaching, Georgia Southern University, Statesboro, GA, March 13, 2009.

"Assessing the Gains from Concept Mapping in Introductory Statistics" with M. O'Brien. Presented at Joint Statistical Meetings of the American Statistical Association, Seattle, WA, August 8, 2006.

"Volatility in Inventories and Sales: A Wavelet Analysis" Presented at the Western Economic Association International 81st Annual Conference, Western Economic Association International, San Diego, CA, July 3, 2006.

"Recent Employment Change in the Census Divisions" with J. A. Jacobson. Presented at the MidContinent Regional Science Association Annual Meeting, Indianapolis, IN, June 9, 2006.

"Trend Breaks in Finished Goods Inventories and Sales of Non-Durables" Presented at the Southern Economic Association Annual Meetings, Tampa, FL, October 2001.

"Consequences of Hodrick-Prescott Filtering" Presented at the Joint Statistical Meetings of the American Statistical Association-Business and Economics Section, Atlanta, GA, August 2001.

Contracts, Grants and Sponsored Research

Grants

Principal, "Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 2, continued," Sponsored by Great Lakes Maritime Research Institute, additional funding by U.S. Army Corps of Engineers, October 2010 - October 2011, \$25,000.

Principal, "Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 2, continued," Sponsored by Great Lakes Maritime Research Institute, October 2010 - October 2011, \$30,000.

Principal, "Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 2" Sponsored by Great Lakes Maritime Research Institute, October 2009 - October 2010, \$57,000.

Principal, "Economic Impact of the Great Lakes and St. Lawrence Seaway System, Phase 1" Sponsored by Great Lakes Maritime Research Institute, November 2008 - October 2009, \$30,000.

Principal, "Employer Provided Health Insurance and the Demand for Part-Time Labor" Grant-in-Aid of Artistry, Research, and Scholarship Program, Sponsored by Graduate School, University of Minnesota, 2005 - 2009, \$16,964.

LSBE Travel Grant, Labovitz School of Business and Economics, August 2009, \$1,000.

Chancellor's Small Grant, University of Minnesota Duluth, 2009, \$200.

Co-Principal, Undergraduate Research Funding Grant, Sponsored by LSBE Dean's Office, Labovitz School of Business and Economics, March 2007 - June 2008, \$1,500.

Co-Principal, "Developing Reflective Practitioners and Self-Regulated Learners" Sponsored by the Archibald Bush Foundation, University of Minnesota, 2005 - 2007, \$3,000.

Technology Grant, Sponsored by LSBE Technology Committee, Labovitz School of Business and Economics, 2007, \$4,500.

Chancellor's Small Grant, University of Minnesota Duluth, 2007, \$178.

Co-Principal, "Rising Health Care Costs: Effects on Labor Demand and Retiree Health Insurance Benefits" W.E. Upjohn Institute Mini-Grant Program, 2005 - 2007, \$5,000.

Co-Principal, Travel Grant, Sponsored by the Archibald Bush Foundation, 2006, \$500.

Chancellor's Small Grant, University of Minnesota Duluth, 2005, \$750.

LSBE Travel Grant, Labovitz School of Business and Economics, June 2006, \$1,000.

Principal, "A Wavelet Analysis of Volatility in Aggregate Inventories, Sales, and Output," Labovitz School of Business and Economics, 2005, \$1,500.

UROF Travel Grant, University of Minnesota, 2005. \$750.

Service

Department Service

- Committee Member, Economics Department Search Committee (2010 - 2011).
- Regular Advising Duties for Economics Majors and Minors (2004 - 2011).
- Faculty Advisor, Undergraduate Research Opportunities Program (UROP) Advisor for Isaac Johnson (2009-2010), Seth Pearce (2008-2009), Paul Hochsprung and Leah Kasper (2005-2006). Co-advisor for Nitya Malik (2006).
- Faculty Mentor, Letters of Recommendation for students (2005 - 2011).
- Developed analytical tools for student use in ECON2030 (2009).
- Committee Member, Economics Department Search Committee (2005 - 2008).
- Accompany Econ Club to Midwest Economics Association conference (November 2005).
- Directed Individual/Independent Studies: Huimin Liu (September 2008 - December 2008). Ashley Mauer (May 2007 - December 2007).
- UGRA co-supervisor, Evan Buckingham (2007-2008).
- UGRA supervisor, Bob Spence, Kiritharan Loganathan (2006).
- UGRA supervisor, Ruwan Adikiram for Bush Grant work (2006).

College Service

- Committee Member, Sustainability Subcommittee of LSBE Undergraduate Committee (September 2010 – Present).
- Leader of Economic Assessment Team (October 2008 - Present).
- Committee Member, Assessment Subcommittee of LSBE Undergraduate Committee (November 2008 - Present).
- Committee Member, LSBE Undergraduate Committee (September 2008 - Present).
- LSBE Welcome Week: Gave presentations as part of a group. (September 3, 2010).
- Substitute committee member, Administrative Committee. (June 2010 - August 2010).
- Faculty Advisor, Spring Freshman Orientation, multiple sessions (2005 - 2010).
- LSBE Welcome Week: Gave presentations as part of a group. (September 2, 2009).
- Committee Member, LSBE Technology Committee (August 2006 - September 2008).
- LSBE Welcome Week: Gave presentations as part of a group. (August 29, 2008).
- Assisted with groundbreaking ceremony for new LSBE building (July 26, 2006).
- Committee Member, LSBE Undergraduate Committee (November 2005 - May 2006).
- Faculty Advisor, Campus Preview (October 21, 2004, and October 20, 2005).
- Committee Member, LSBE Outreach Committee (2004 - 2006).
- Host, LSBE Professor for a Day (Fall 2004).

University Service

Member of UMD Liberal Education Council (March 2011 - Present)

Faculty Mentor, UMD Disability Resources (September 2010-May 2011)

Task Force Member, Joint UEA/Administrative Task Force on student evaluations. (November 2006 - April 2009).

Provided course materials for review of UMD's Mechanical Engineering program for the Accreditation Board for Engineering and Technology (ABET) (2009).

Task Force Member, Administrative Task Force on Liberal Education Requirements. (October 2006 - September 2007).

Provided course materials for review of UMD's Mechanical Engineering program for the Accreditation Board for Engineering and Technology (ABET) (2005).

Professional Service

Board of Directors, St. Ann's Senior Residence, Duluth, MN (2010 - 2013)

Finance Subcommittee of the Board of Directors, St. Ann's Senior Residence (2010 - 2013)

Served as discussant for three sessions: "Studies in Volatility and Structure"; "Economic Theory"; and "Studies in Forecasting". Western Economic Association International (WEAI) Annual Meeting, San Diego, CA, (2006).

Administered pre- and post-test versions of the Test of Understanding in College Economics (TUCE) for the National Council on Economic Education (NCEE) as part of a revision project aimed at improving assessment of economic education (2005).

Reviewer

2008 *Statistical Techniques in Business and Economics (13th ed.)* by Lind/Marchal/Wathen; McGraw-Hill Publishing.

2007 *Principles of Macroeconomics (18th ed.)* by McConnell and Brue; McGraw-Hill Publishing.
The Macro Economy Today (11th ed.) by Brad Schiller; McGraw-Hill Publishing.

2006 *Money and Banking (2nd ed.)* by Stephen Cecchetti; McGraw-Hill Publishing.

Principles of Macroeconomics by Cooper/John; McGraw-Hill Publishing.

Business Statistics by Sharpe/DeVeaux/Velleman; Addison Wesley Publishing.

Vital Statistics: Probability and Statistical Inference for Economic and Business Decisions by Saraniti and Sandholm; Addison Wesley Publishing.

The Macro Economy Today (10th ed.) by Brad Schiller; McGraw-Hill Publishing.

Public Service

Live radio interview, Wisconsin Public Radio, aired August 13, 2010.

Live radio interview, KLKS Radio, Brainerd, MN, aired February 10, 2009.

Interview with staff writer Patrick Garmoe, Duluth News Tribune, Duluth, MN, Jan. 16-17, 2009.

Television interview, Northland News Center/Channels 3 & 6, Duluth, MN, November 19, 2008.

Live radio interview, KLKS Radio, Brainerd, MN, aired October 7, 2008.

Live radio interview, KLKS Radio, Brainerd, MN, aired October 2, 2008.

Television interview, WDIO/Channel 10, Duluth, MN, aired February 17, 2008.

Community Service

Member, King's Court Community Association, Duluth, MN. (June 2009 - Present).
Member, Minnesota Parks and Trails Council, MN. (2005 - Present)
Member, National Parks Conservation Association. (2000 - Present)
Member, Lester Park Community Association, Duluth, MN. (2004 - June 2009)
Member, Lester Park Elementary School PTA, Duluth, MN. (September 2005 - June 2008)
Volunteer, Lester Park Elementary School, Duluth, MN. (October 2007)

Professional Memberships

Great Lakes Maritime Research Institute (GLMRI), June 2008 - Present.
American Statistical Association, 1999 - Present.
American Economic Association, 1998 - Present.
International Atlantic Economic Society, 2009 - 2010.
Mid-Continent Regional Science Association, 2006 - 2008.
Western Economic Association International, 2005 - 2007.

Licensures, Certifications, and Training

Federal Security Clearance/Special Sworn Status, U.S. Census Bureau-Center for Economic Studies, April 2007 – Present.
Human Research Curriculum training, Collaborative Institutional Training Initiative (CITI)
Completed the required training for conducting research using human subjects. September 2008.
Tutorial, Aplia, Inc., apia.com, November 2006.
Tutorial, "Turning Point Technology," LSBE Tech Program, Duluth MN, November 14, 2006.
Advanced training course in IMPLAN economic impact modeling, February 24-25, 2005.
Basic training course in IMPLAN economic impact modeling, January 27-28, 2005.
Responsible Conduct in Research training, Part II, December 2, 2004.
Responsible Conduct in Research training, Part I, October 14, 2004.

Awards and Honors

Teaching Innovations Program Certificate of Achievement, American Economic Association
Committee on Economic Education. 2007.
Exemplary Proposal, Grant-in-Aid of Artistry, Research, and Scholarship Program, University of
Minnesota. 2006.
ECON1022 Principles of Economics: Macro course selected for inclusion in CLA Learning
Communities Program, 2005.

Development Activities Attended

Seminar, "Technical Analysis," Market Technicians Association and Piper Jaffray, held at University of Minnesota, Minneapolis, MN July 24, 2010.

Workshop, "AIMS: Adapting and Implementing Innovative Materials," Consortium for the Advancement of Undergraduate Statistics (CAUSE), University of Minnesota, Minneapolis, MN June 6-7, 2008.

Workshop, "Teaching Innovations Program (TIP)" Committee on Economic Education of the American Economic Association, University of North Carolina at Chapel Hill, May 20-22, 2005.

Instructional Development Service Seminar, "Publish Where?" December 14, 2004.