

JOSHUA DRUCKER, AICP

UNIVERSITY OF ILLINOIS AT CHICAGO • DEPARTMENT OF URBAN PLANNING AND POLICY
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ACADEMIC APPOINTMENT

Assistant Professor

Department of Urban Planning and Policy, University of Illinois at Chicago

**August 2008
to present**

EDUCATION

Ph.D. in City and Regional Planning

May 2008

University of North Carolina at Chapel Hill

Dissertation: *Regional dominance and industrial success: A productivity-based analysis.*

Chair: Dr. Edward Feser, University of Illinois at Urbana-Champaign

Committee: Drs. Harvey Goldstein, Nichola Lowe, Emil Malizia (University of North Carolina at Chapel Hill), Michael Munger (Duke University)

Master of City and Regional Planning, Economic Development, Land Use Planning

May 2000

University of North Carolina at Chapel Hill

Bachelor of Science, Mathematics and Economics, *highest honors*

May 1998

University of Michigan, Ann Arbor

PRIMARY RESEARCH INTERESTS

- Causes of differential regional development
- Analysis and design of regional and local economic development policy
- Industrial structure, agglomeration, and economic performance
- Technology-based economic development
- Economic analysis methods
- Entrepreneurship and innovation

PUBLICATIONS

Drucker, J., & Feser, E. 2012. Regional industrial structure and agglomeration economies: An analysis of productivity in three manufacturing industries. *Regional Science and Urban Economics*, 42 (1-2): 1-14.

Drucker, J. 2011. Regional industrial concentration in the United States: Trends and implications. *Economic Geography*, 87 (4): 421-452.

Donegan, M., **Drucker, J.**, Goldstein, H., Lowe, N., & Malizia, E. 2008. Which indicators explain metropolitan economic performance best? Traditional or creative class. *Journal of the American Planning Association*, 74 (2): 180-195.

Drucker, J., & Goldstein, H. 2007. Assessing the regional economic development impacts of universities: A review of current approaches. *International Regional Science Review*, 30 (1): 20-46.

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PUBLICATIONS, CONTINUED

Goldstein, H., & **Drucker, J.** 2006. The economic development impacts of universities on regions: Do size and distance matter? *Economic Development Quarterly*, 20 (1): 22-43.

Drucker, J., & Khattak, A.J. 2000. The propensity to work from home: Modeling results from the 1995 Nationwide Personal Transportation Survey. *Transportation Research Record*, 1706.

WORKING SERIES PAPERS

Drucker, J. 2012. The spatial extent of agglomeration economies: Evidence from three U.S. manufacturing industries. Working Paper CES 12-01, Center for Economic Studies, United States Census Bureau.

Drucker, J. 2011. How does size matter? Investigating the relationships among plant size, industrial structure, and manufacturing productivity. Working Paper CES 11-08, Center for Economic Studies, United States Census Bureau.

Drucker, J. 2010. Concentration, diversity, and manufacturing performance. Working Paper CES 10-14, Center for Economic Studies, United States Census Bureau.

Drucker, J. 2009. Trends in regional industrial concentration in the United States. Working Paper CES 09-06, Center for Economic Studies, United States Census Bureau.

Drucker, J., & Feser, E. 2007. Regional industrial dominance, agglomeration economies, and manufacturing plant productivity. Working Paper CES 07-31, Center for Economic Studies, United States Census Bureau.

INVITED PRESENTATIONS AND SEMINARS

Gauging Higher Education's Role in the Regional Economy. 2011. Universities as Economic Drivers: Measuring Success, State University of New York, Buffalo, New York, September 26.

Regional Industrial Structure and Manufacturing Productivity. 2009. Department of Urban and Regional Planning and Regional Economics Applications Laboratory, University of Illinois at Urbana-Champaign, October 28.

Using productivity modeling to assess regional advantage. 2009. Science, Technology, and Environment Policy Lab, Research Methods Seminar, University of Illinois at Chicago, April 2.

CONFERENCE PRESENTATIONS

The spatial extent of agglomeration economies: evidence from three U.S. manufacturing industries. 2011. 58th Annual North American Meetings of the Regional Science Association International, Miami, Florida, November 10.

Assessing Economic Impacts Amid Rapid Change: Examples from Defense Communities. 2011. 52nd Annual Association of Collegiate Schools of Planning Conference, Salt Lake City, Utah, October 11.

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CONFERENCE PRESENTATIONS, CONTINUED

The multi-level influence of industrial structure: investigating the relationships among plant size, concentration, agglomeration, and manufacturing productivity. 2010. Versions presented at 51st Annual Association of Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October, and 57th Annual North American Meetings of the Regional Science Association International, Denver, Colorado, November.

Size, structure, and agglomeration: plant size and manufacturing productivity. 2010. 51st Annual Association of Collegiate Schools of Planning Conference, Minneapolis, Minnesota, October.

Size and structure: the relationship between plant size and industrial concentration in manufacturing productivity. 2010. 8th Annual Industry Studies Conference, Chicago, Illinois, May.

Diversity and concentration: the influence of inter- and intra-industrial structure on regional economic performance. 2009. 56th Annual North American Meetings of the Regional Science Association International, San Francisco, California, November.

Concentration and diversity: how does industrial structure relate to regional performance and development? 2009. 50th Annual Association of Collegiate Schools of Planning Conference, Crystal City, Virginia, October.

An analysis of trends in regional industrial concentration in the U.S. and implications for regional economic development. 2008. 4th Joint Congress of the Association of Collegiate Schools of Planning and Association of European Schools of Planning, Chicago, Illinois, July.

Regional industrial dominance, agglomeration economies, and adaptability: an analysis of manufacturing productivity. 2007. With E. Feser. Versions presented at 48th Annual Association of Collegiate Schools of Planning Conference, Milwaukee, Wisconsin, October, and 54th Annual North American Meetings of the Regional Science Association International, Savannah, Georgia, November.

Economic development, urban planning, and the creative class. 2006. With M. Donegan, H. Goldstein, N. Lowe, E. Malizia. 47th Annual Association of Collegiate Schools of Planning Conference, Fort Worth, Texas, November. (Presented by M. Donegan.)

The contributions of institutions of higher education to regional economic development. 2004. With H. Goldstein. Versions presented at 45th Annual Association of Collegiate Schools of Planning Conference, Portland, Oregon, October (presented by H. Goldstein), and 51st Annual North American Regional Science Council, Seattle, Washington, November.

American and Australian urban forms: A comparison of structure, determinants, and consequences. 2000. 42nd Annual Conference of the American Collegiate Schools of Planning, Atlanta, Georgia, November.

The propensity to work from home: Modeling results from the 1995 Nationwide Personal Transportation Survey. 2000. With A. Khattak. 79th Annual Transportation Research Board Conference, Washington, D.C., January.

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FUNDED RESEARCH PROJECTS

- Assisting Communities, Business, and Workers to Respond to Change. Co-principal Investigator, Voorhees Center for Neighborhood and Community Improvement. Awarded by Office of Economic Adjustment, Department of Defense. (\$2,338,391) 2009-2013
- Chicago Market Economic Analysis and Industry Data for Regional Center. Principal Investigator, Voorhees Center for Neighborhood and Community Improvement. Client: U.S. Investment Holdings, LLC. (\$8,000) 2010

OTHER RESEARCH PROJECTS

- Project on the Innovative Division of Labor. User consortium member. Sponsored by National Science Foundation and Ewing M. Kauffman Foundation. 2009-present

RESEARCH GRANTS

- Ewing Marion Kauffman Dissertation Fellowship (\$15,000) 2006-2007
- Benjamin H. Stevens Graduate Fellowship, North American Regional Science Council (\$25,000) 2006-2007
- National Science Foundation (\$149,971), Edward Feser, Principal Investigator Regions, Industrial Dominance, and Business Success (Geography and Regional Science program; award number 0423900) 2004-2009
- William N. Reynolds Doctoral Fellow, University of North Carolina at Chapel Hill (\$85,000 stipend) 2002-2007
- Transportation Grant, University of North Carolina at Chapel Hill, Graduate School (\$400) 2004
- Smith Graduate Research Grant, University of North Carolina at Chapel Hill (\$500) 1999

TEACHING INTERESTS

- Economic development policy
- Economic development analysis techniques
- Innovation and technology development
- Regional economic development theory
- Urban spatial structure
- Regional and urban economics
- Planning theory
- Research design
- Analytical methods for planning

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TEACHING EXPERIENCE

University of Illinois at Chicago:

- Economic Development II—Techniques*: Fall 2008, 2009, 2010, 2011
- Economic Development I—Policy*: Spring 2009, 2010, 2011, 2012
- Planning Skills*: Spring 2010, Fall 2010, 2011
- Urban Policy Analysis Methods: Spring 2009, 2012
- Plan Making Studio*: Spring 2011 (juror)
- Plan Making*: Spring 2009 (guest lecturer)

University of North Carolina at Chapel Hill:

- Economic Development Policy*: Spring 2008
- Economic Development Planning Techniques*: Spring 2006
- Planning Theory*: Fall 2003, 2005 (teaching assistant)
- Urban Spatial Structure*: Fall 2004 (teaching assistant)
- Microeconomics for Planners*: Fall 2004, 2005, 2006, 2007 (guest lecturer)
- Planning for the Transformation of the North Carolina Economy: Spring 2006 (guest lecturer)
- Economic Development Planning Techniques*: Spring 2004, 2005 (guest lecturer)
- Economic Development Policy*: Spring 2004 (guest lecturer)

* denotes graduate-level courses

ADDITIONAL PEDAGOGICAL TRAINING

- Teaching Seminar, Department of City and Regional Planning, University of North Carolina at Chapel Hill, August 29, 2007
- Dismantling Racism Workshop, Department of City and Regional Planning, University of North Carolina at Chapel Hill, September 16, 2005
- Future Faculty Fellowship Program, Center for Teaching and Learning, University of North Carolina at Chapel Hill, May 12-19, 2005
- Teaching workshops, Center for Teaching and Learning, University of North Carolina at Chapel Hill, January-March, 2003

PROFESSIONAL EXPERIENCE

United States Census Bureau, Triangle Research Data Center, November 2005 to April 2008 (Durham, North Carolina), August 2010 to October 2011 (Chicago, Illinois)

I held an appointment as a Census Bureau researcher associated with the Triangle Research Data Center in Durham, North Carolina, for the purpose of investigating industrial concentration and economic performance using confidential Census microdata.

North Carolina Department of Commerce, Division of Policy Research and Strategic Planning, May 2003 to August 2003, June to October 2004, May to August 2005 (Raleigh, North Carolina)

I contributed to the conceptual and technical design and preliminary implementation of the Economic Development Information System (EDIS) by collecting information about user and stakeholder needs and preferences, designing database and interface parameters, and constructing and demonstrating data analysis tools. I developed, modified, and created new automated tools for economic development analysis, primarily using SAS programming. I helped examine the state of manufacturing in North Carolina, researching the future of manufacturing industries nationwide and assessing the characteristics and trends of North Carolina manufacturing industries, consulting industry association representatives, economic development officials, industrial outreach and extension managers, and industry leaders.

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PROFESSIONAL EXPERIENCE, CONTINUED

Technology Partnership Practice, Battelle Memorial Institute, May 2000 to August 2002, May to August 2004 (Cleveland, Ohio)

As a research associate, I constructed, authored, and presented technology-based economic development strategies for a wide range of public, private, philanthropic, and institutional clients. I researched economic development best practices, innovative policies, and current positions and outlooks for cutting-edge technology fields, preparing research briefs and benchmarking reports. I served as an investigator for numerous client-based projects, conducting interviews with government, business, educational, and community leaders to assess local competitive position and strengths. I worked with more than 25 clients, including the St. Louis Regional Chamber and Growth Association, the Ohio Department of Development, Carnegie Mellon University, the University of Pittsburgh, the Ewing M. Kauffman Foundation, and the City of Portland, Oregon.

Southern Technology Council, Southern Growth Policies Board, May 1999 to May 2000 (Research Triangle Park, North Carolina)

I researched, organized, and disseminated economic development and technology policy information for government leaders, corporate executives, and the general public within the 15-state Southern region. I formulated and presented economic development strategies and technology policy analyses, including *Invented Here*, a series of state and regional technology profiles, and *Creating Added Value in Advantage Valley*, an economic development strategy for Advantage Valley (in West Virginia and Kentucky). I prepared articles and research briefs for *Southern Growth* magazine and the *Friday Facts* (now *Southern Compass*) newsletter.

SERVICE

American Collegiate Schools of Planning

- ACSP PhD Workshop Faculty, 2011

University of Illinois at Chicago, Department of Urban Planning and Policy:

- Master of Urban Planning and Policy Committee, 2008-2009, 2011-2012
- Awards Committee, 2011-2012
- Economic Development Concentration Committee, 2008-2012 (Committee Chair 2010-2011)
- Faculty Search Committee (Urban Transportation), 2010-2011
- Faculty Secretary, 2009-2011
- Promotion and Tenure Committee, Spring 2010
- Doctorate of Urban Planning and Policy Committee, 2009-2010

University of North Carolina at Chapel Hill, Department of City and Regional Planning:

- Participant, Carolina Seminars on Economic Development and Community Economic Development, 2005-2006, 2008
- Doctoral Student Representative, Faculty Search Committee, 2004-2005
- Student Representative, Doctoral Admissions Committee, 2004-2005

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SERVICE, CONTINUED

Manuscript Reviewer:

- City and Community
- Economic Development Quarterly
- Economic Geography
- Entrepreneurship and Regional Development
- International Review of Economics and Finance
- Journal of Regional Analysis and Policy
- Land Economics
- Papers in Regional Science
- Regional Science and Urban Economics
- Regional Studies
- Research Policy
- Urban Studies

Research Proposal Referee:

- National Science Foundation
- Texas Sea Grant College Program

SPECIALIZED COMPUTING SKILLS

- Economic impact analysis software: IMPLAN, PI+ (REMI)
- Statistical and data processing software: SAS, Stata, SPSS, SpaceStat, Geoda
- Programming: C++, SAS
- GIS software: ArcGIS
- Database construction: Access

PROFESSIONAL MEMBERSHIPS

- American Institute of Certified Planners
- American Collegiate Schools of Planning
- American Planning Association
- Regional Science Association International
- Industry Studies Association (former)