

Jason P. Brown

Federal Reserve Bank of Kansas City
1 Memorial Drive
Kansas City, MO 64198

Phone: (816) 881-2156
Email: jason.brown@kc.frb.org
Homepage: <https://www.kansascityfed.org/people/jasonbrown>

Education

Ph.D. Agricultural Economics, Purdue University, 2009.

Dissertation: Spatial Dynamics of Capital Formation in U.S. Manufacturing

M.S. Agricultural Economics, Purdue University, 2006.

Thesis: Methodology for Determining the Economic Feasibility of Controlled Drainage in the Eastern Corn Belt

B.S. Agricultural Systems Management, Purdue University, 2001.

Employment

Federal Reserve Bank of Kansas City

Senior Economist and Regional Executive, Regional Affairs, July 2016 to present.

Senior Economist, Regional Affairs, October 2014 to June 2015.

Economist, Regional Affairs, January 2013 to September 2014.

United States Department of Agriculture, Economic Research Service

Economist, Resource and Rural Economics Division, December 2009 - January 2013.

Purdue University, Department of Agricultural Economics

USDA National Needs Fellow, 2006 - 2009.

Research Assistant, 2004 - 2006.

Cargill AgHorizons

Farm Service Center Manager, Winamac, IN, 2003 - 2004.

Production Supervisor, Burns Harbor, IN, 2002 - 2003.

Publications

Refereed Publications

Brown, J.P. and Lambert, D.M. 2016. Extending a Smooth Parameter Model to Firm Location Analyses: The Case of Natural Gas Establishments in the United States. *Journal of Regional Science*, In press.

Weber, J.G., Wall, C., Brown, J.P., and Hertz, T. 2015. Crop Prices, Agricultural Revenues, and the Local Economy of the U.S. Heartland. *Applied Economic Perspectives and Policy* 37(3): 459-476.

Hoen, B., Brown, J.P., Jackson, T., Wiser, R., Thayer, M. and Cappers, P. 2015. Spatial Hedonic Analysis of the Effects of Wind Energy Facilities on Surrounding Property Values in the United States. *Journal of Real Estate Finance and Economics* 51(1): 22-51.

- Wojan, T., Brown, J.P. and Lambert, D.M. 2014. What to Do About the “Cult of Statistical Significance”? A Renewable Fuel Application using the Neyman-Pearson Protocol. *Applied Economic Perspectives and Policy* 36(4): 674-695.
- Weber, J.G., Brown, J.P. and Pender, J.L. 2014. Rural wealth creation and emerging energy industries. In: *Rural Wealth Creation*, Pender, J.L., Weber, B.A., Johnson, T.G. and Fannin, J.M. (eds.) Routledge, pg. 167-184.
- Brown, J.P., Goetz, S.J., Ahearn, M.C. and Liang C. 2014. Linkages between Community Focused Agriculture, Farm Sales, and Regional Growth. *Economic Development Quarterly* 28(1): 5-16.
- Pender, J., Weber, J.G. and Brown, J.P. 2014. Sustainable Rural Development and Wealth Creation: Five Observations Based on Emerging Energy Opportunities. *Economic Development Quarterly* 28(1): 73-86.
- Brown, J.P., Lambert, D.M. and Florax, R.J.G.M. 2013. The Birth, Death, and Persistence of Firms: Creative Destruction and the Spatial Distribution of U.S. Manufacturing Establishments, 2000-2006. *Economic Geography* 89(3): 203-226.
- Brown, J.P., Pender, J. Wisner, R., Lantz, E. and Hoen, B. 2012. Ex Post Analysis of Economic Impacts from Wind Power Development in U.S. Counties. *Energy Economics* 34(6): 1743-1754.
- Delbecq, B.A., Brown, J.P., Florax, R.J.G.M., Kladivko, E.J., Nistor, A.P. and Lowenberg-DeBoer, J.M. 2012. The Impact of Drainage Water Management Technology on Corn Yields. *Agronomy Journal* 104(4): 1100-1109.
- Lambert, D.M., Brown, J.P. and Florax, R.J.G.M. 2010. Two-step Estimator for a Spatial Lag Model of Counts: Theory, Small Sample Performance and an Application. *Regional Science and Urban Economics* 40(4): 241-252.
- Brown, J.P., Florax, R.J.G.M. and McNamara, K.T. 2009. Determinants of Investment Flows in U.S. Manufacturing Investment. *The Review of Regional Studies* 39(3): 267-284.
- Lusk, J., Brown, J.P., Mark, T., Proseku, I., Thompson, R. and Welsh, J. 2006. Consumer Behavior and Country of Origin Labeling. *Applied Economic Perspectives and Policy* 28(2): 284-292.

Under Review

- Capturing Rents from Natural Resource Abundance: Private Royalties from U.S. Onshore Oil & Gas Production, with T. Fitzgerald and J.G. Weber.
- Manufacturing Plant Survival in a Period of Decline, with S.A. Low.

Bank Publications

- Brown, J.P. and Kodaka, A. 2016. The Reallocation of Energy-Sector Workers after Oil Price Booms and Busts. *Macro Bulletin*.
- Brown, J.P. 2015. The Response of Employment to Changes in Oil and Gas Exploration and Drilling. *Economic Review* 100(2).
- Brown, J.P. and Kodaka, A. 2014. U.S. Electricity Prices in the Wake of Growing Natural Gas Production. *Main Street Economist*, Issue 2.
- Brown, J.P. 2014. Production of Natural Gas from Shale in Local Economies: A Resource Blessing or Curse? *Economic Review* 99(1).
- Brown, J.P. 2013. The Cycles of Wind Power Development. *Main Street Economist*, Issue 3.

Other Publications

- Brown, J.P., Weber, J.G., and Wojan, T. 2013. Emerging Energy Industries and Rural Growth. ERR-159, USDA Economic Research Service, Washington DC.

Brown, J.P. and Weber, J.G. 2013. The Off-farm Occupations of U.S. Farm Operators and their Spouses. EIB-117, USDA Economic Research Service, Washington DC.

Working Papers

Brown, J.P., Fitzgerald, T., and Weber, J.G. 2015. Capturing Rents from Natural Resource Abundance: Private Royalties from U.S. Onshore Oil & Gas Production. Federal Reserve Bank of Kansas City, Research Working Paper 15-04.

Brown, J.P. and Lambert, D.M. 2014. Location Decisions of Natural Gas Extraction Establishments: A Smooth Transition Count Model Approach. Federal Reserve Bank of Kansas City, Research Working Paper 14-05.

Hoehn, B., Brown, J.P., Jackson, T., Wisner, R., Thayer, M. and Cappers, P. 2013. A Spatial Hedonic Analysis of the Effects of Wind Energy Facilities on Surrounding Property Values in the United States. Lawrence Berkeley National Laboratory, Environmental Energy Technologies Division, LBNL-6362E.

Weber, J.G., Brown, J.P., and Pender, J. 2013. Rural Wealth Creation and Emerging Industries: Lease and Royalty Payments to Farm Households and Businesses. Federal Reserve Bank of Kansas City, Research Working Paper 13-07.

Lambert, D.M., J.P. Brown and R.J.G.M. Florax 2010. Two-step Estimator for a Spatial Lag Model of Counts: Theory, Small Sample Performance and an Application. Working Paper 10-5. Department of Agricultural Economics, Purdue University.

Brown, J.P., R.J.G.M. Florax, and K.T. McNamara 2009. Determinants of Investment Flows in U.S. Manufacturing. Working Paper 09-10. Department of Agricultural Economics, Purdue University.

Nistor, A., R.J.G.M. Florax, J. Lowenberg-DeBoer, and J.P. Brown 2008. Spatiotemporal Modeling of Agricultural Yield Monitor Data. Working Paper 08-01. Department of Agricultural Economics, Purdue University.

Conference Presentations

Brown, J.P., Fitzgerald, T., Sears, J. and Weber, J.G. Regional Windfalls or Beverly Hillbillies? Local and Absentee Ownership of Oil and Gas Royalties.

62nd Annual North American Meetings of the Regional Science Association International,
Portland, OR, Nov 12-14, 2015.

Brown, J.P., Fitzgerald, T., and Weber, J.G. Capturing Rents from Natural Resource Abundance: Private Royalties from U.S. Onshore Oil & Gas Production.

System Committee on Regional Analysis, Federal Reserve System. San Antonio, TX. Nov 5, 2014.
61st Annual North American Meetings of the Regional Science Association International,
Washington D.C., November 12-15, 2014.

54th Southern Regional Science Association Annual Meeting, Mobile, AL March 26-28, 2015.
University of Oklahoma, Economics Department. April 17, 2015.

Brown, J.P. and Lambert, D.M. Location Decisions of Natural Gas Extraction Establishments: A Smooth Transition Count Model Approach.

60th Annual North American Meetings of the Regional Science Association International,
Atlanta, GA, November 13-16, 2013.

Federal Reserve Bank of Chicago, March 17, 2014.

53rd Southern Regional Science Association Annual Meeting, San Antonio, TX March 27-29, 2014.

Weber, J.G., Wall, C., Brown, J.P., and Hertz, T. 2013. Crop Prices, Agricultural Revenues, and the Local Economy of the U.S. Heartland. Selected Paper AAEA 2013 Annual Meeting, Washington, DC, August 4-6.

Brown, J.P., Goetz, S.J., Ahearn, M.C., and Liang C. 2012. Linkages between Community Focused Agriculture, Farm Sales, and Regional Growth. 59th Annual North American Meetings of the Regional Science Association International, Ottawa, Canada, November 7-10.

Brown, J.P. 2012. Measuring Ex Post Economic Effects: Lessons from Emerging Energy Industries. Post Conference Workshop: Models for Assessing Regional Economic Impacts of Agriculture and Rural Development Efforts. AAEA Annual Meetings, Seattle, WA August 15.

Brown, J.P., Pender, J. Wiser, R., Lantz, E., and Hoen, B. 2011. Ex Post Analysis of Economic Impacts from Wind Power Development in U.S. Counties. 58th Annual North American Meetings of the Regional Science Association International, Miami, FL, November 10-12.

Brown, J.P. 2011. The Impacts of Changes in Local Industrial Composition on Off-Farm Labor Supply. Selected paper at 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, PA, July 24-26.

Brown, J.P., 2011. Economic Impacts of Wind Turbine Development in U.S. Counties. Selected poster at 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, PA, July 24-26.

Brown, J.P. and D.M. Lambert 2010. Factors Influencing Manufacturing Establishment Transitions Into and Out-of Local Economies: A Markov Chain Entropy Approach. 57th Annual North American Meetings of the Regional Science Association International, Denver, CO.

Brown, J.P., D.M. Lambert, R.J.G.M. Florax 2010. Manufacturing Transition in Local Economies: A Regional Adjustment Model.

49th Southern Regional Science Association Annual Meeting, Washington, D.C.

2010 Annual Meetings of the Agricultural and Applied Economics Association, Denver, CO.

Brown, J.P. D.M. Lambert, and R.J.G.M. Florax 2009. Firm Birth and Death in U.S. Manufacturing: A Regional Adjustment Model. 2009 Annual Meetings of the Agricultural and Applied Economics Association, Milwaukee, WI.

Brown, J.P. and D.M. Lambert 2009. Short-run Birth and Death of U.S. Manufacturing Firms: 2000 - 2005. 2009 Annual Meetings of the Southern Agricultural Economics Association, Atlanta, GA.

Brown, J.P., R.J.G.M. Florax, and D.M. Lambert 2008. Location Choice of U.S. Manufacturing Investments. 55th Annual North American Meetings of the Regional Science Association International, Brooklyn, NY.

Brown, J.P., K.T. McNamara, and R.J.G.M. Florax 2008. Evolution of Investment Flows in U.S. Manufacturing: A Spatial Panel Approach. Presented at:

Space, Health, and Population Economics Student Summit, Hosted at Purdue University.

48th Congress of the European Regional Science Association, Liverpool, UK.

45th Annual Meeting of the Missouri Valley Economic Association, St. Louis, MO.

Brown, J.P. and R.J.G.M. Florax 2007. State Tax Credits Impact on Job Growth: An Analysis of Indiana's Economic Development for a Growing Economy Credits. 54th Annual North American Meetings of the Regional Science Association International, Savannah, GA.

Brown, J.P., B. Fingleton and R.J.G.M. Florax 2006. Regional Development Policy in Perspective: An International Comparison for Selected Cases in the U.S. and E.U. 53rd Annual North American Meetings of the Regional Science Association International, Toronto, CAN.

Teaching Experience

Instructor

Principles of Economics (Undergraduate), Purdue University, Summer 2008

Teaching Assistant

Principles of Economics (Undergraduate), Purdue University, Fall 2007 - Spring 2008

Econometrics I (M.S.), Purdue University, Spring 2007

Professional Activities

Chair, Community Economics Network, Agricultural and Applied Economics Association, 2011–2012.

Vice-Chair, Community Economics Network, Agricultural and Applied Economics Association, 2010–2011.

Member Agricultural and Applied Economics Association, 2008–Present.

Member, Regional Science Association International, 2006–Present.

Member, Southern Regional Science Association, 2008–Present.

Referee for:

Agricultural Economics, American Journal of Agricultural Economics, Applied Economic Perspectives & Policy, Eastern Economic Journal, Ecological Economics, Energy Economics, Energy Policy, Economic Geography, Energy Journal, Geographical Analysis, International Regional Science Review, Journal of Agricultural and Applied Economics, Journal of Policy Analysis and Management, Journal of Regional Science, Journal of Small Business Management, Letters in Spatial and Resource Sciences, Papers in Regional Science, Regional Science and Urban Economics, Regional Studies, The Review of Regional Studies

Honors, Awards, & Fellowships

Outstanding Ph.D. Dissertation Award, Dept. of Agricultural Economics, Purdue University, 2009

USDA National Needs Fellow, 2006 - 2009

Gamma Sigma Delta Honor Society, 2006

Phi Kappa Phi Honor Society, 2006

Alpha Mu Honor Society, 2001

Software

R, ArcGIS, SAS, Stata, MATLAB, Geoda