
Curriculum Vitae

July, 2016

Jeremy L. Sage, Ph.D.
Economist & Associate Director

University of Montana
Institute for Tourism and Recreation Research
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SPECIALIZATION

Economic Geography; Regional Economics; Rural and Community Sociology; Spatial Econometrics & Analysis

EDUCATION

PhD (2012)	Interdisciplinary Washington State University <i>Fields: Agricultural Economics, Geography, Rural and Community Sociology</i>
MS (2005)	Human Dimensions of Ecosystem Science and Management Utah State University
BS (2003)	Zoology (Ecology Emphasis) Washington State University

ACADEMIC POSITIONS

2016-Present	Economist & Associate Director Institute for Tourism & Recreation Research, University of Montana
2014	<i>Adjunct Instructor</i> Department of Agricultural Economics, University of Idaho
2012-2016	<i>Assistant Research Professor</i> School of Economic Sciences, Washington State University
2012-2016	<i>Assistant Director</i> Freight Policy Transportation Institute, Washington State University
2008-2012	<i>Research Assistant</i> School of Economic Sciences, Washington State University
2003-2005	<i>Research Assistant</i> Department of Environment and Society, Utah State University

TEACHING HISTORY

University of Montana	Forestry and Environmental Economics	Upcoming - Spring 2017
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Washington State University

Transportation Economics	Fall 2013, 2014, 2015
Advanced Managerial Economics	Fall 2012, 2014, 2015
Advanced Food Economics and Pricing (TA)	Fall 2011
Agricultural Entrepreneurship (TA)	Spring 2011

University of Idaho

Agricultural Economics and Pricing	Spring 2014
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PROFESSIONAL NON-ACADEMIC POSITIONS

2007-2008	<i>GIS Coordinator</i> Latah County Planning & Building, Moscow, ID
2004-2007	<i>Wildlife Management Biologist</i> Point No Point Treaty Council, Kingston, WA
1996-1999	<i>Nuclear Field Electrician's Mate (EM3/SS)</i> US Navy – Submarines

PUBLICATIONS

- Cassey, A., **Sage, J.** (2015). Export Trends in Washington State, Vol. 8. *Washington State University Extension. 2015-1520.*
- Zhou, Y., **Sage, J.** (Under Review). Know Your Neighbor: Spatial Effects of Export Promotion and Infrastructure Investment. *Transportation Research Record.*
- Sage, J.**, Casavant, K., Eustice, J.B., Herman, C. (In Press). Short Line Railroads: Meeting 21st Century Demands with 19th Century Infrastructure. *Transportation Research Record*
- Sage, J.**, Maxwell, J. Wang, Z., Casavant, K., Goodchild, A. (Under Review). Choosing the Right Model: A Case for Computable General Equilibrium Models in Truck-Freight Network Investment Prioritization. *Journal of Transport Geography.*
- Sage, J.**, McCracken, V. (R&R - resubmitted). Counter-Hegemonic Possibilities: Recovering the Spaces of Food Consumption? *Regional Science Policy and Practice.*
- Sage, J.** 2015. Benefits of Transportation Investments: How You Measure Matters. *Choices*, 30(3), 1-5.
- Taylor, J., Casavant, K., **Sage, J.**, Moore, D., Ivanov, B. 2013. The Economic Impact of Increased Congestion for Freight-Dependent Businesses in Washington State. *Journal of the Transportation Research Forum*, 52(3), 25-40.
- Sage, J.**, McCracken, V., Sage, R. 2013. Bridging the Gap: Do Farmers' Markets Help Alleviate Food Deserts? *American Journal of Agricultural Economics*, 95(5), 1273-1279.

Wang, Z., **Sage, J.**, Goodchild, A., Jessup, E., Casavant, K., Knutson, R. 2013. A Framework for Determining Highway Truck-Highway Benefits and Economic Impacts. *Journal of the Transportation Research Forum*, 52(2), 27-43.

Simmons, S. Casavant, K., **Sage, J.** 2013. Real-Time Assessment of the Columbia-Snake River Extended Lock Outage. *Transportation Research Record*, 2330, 95-102.

McCracken, V., **Sage, J.**, Sage, R. 2012. Do Farmers' Markets Ameliorate food Deserts? *Focus* 29(1): 21-26.

Sage, J., Goldberger, J. 2012. Decisions to Direct Market: Geographic Influences on Conventions in Organic Production. *Applied Geography*, 34: 57-65.

GOVERNMENT AGENCY REPORTS & OTHER PROFESSIONAL RESEARCH

Sage, J., Casavant, K., Zhou, Y. (2015). U.S. 95 Freight Multi-Modal Corridor Supply Chain: A Pilot Study. Idaho Transportation Department.

Cassey, A., Lee, K., **Sage, J.**, Tozer, P. Assessing Post-Harvest Labor Shortages, Wages, and Welfare. Estimated Completion Date September 2015.

Sage, J., Abdel-Rahim, A. 2015. Performance-Measure Based Asset Management tool for Rural Freight Mobility in the Pacific Northwest. Pacific Northwest Transportation Consortium (PacTrans), August 2015.

Sage, J., Casavant, K., Eustice, J.B. 2015. Washington State Short Line Rail Inventory and Needs Assessment. Washington State Department of Transportation, WA-RD 842.1, June 2015.

Sage, J., Casavant, K, Wandschneider, P. 2015. Economic Impact Case Studies. Washington State Joint Legislative Audit and Review Committee, Contract NO. 14-03, January 2015.

Sage, J., Casavant, K, Wandschneider, P. 2014. County Economic Vitality: The Influences of Public Lands Ownerships and Policy. Washington State Joint Legislative Audit and Review Committee, Contract NO. 14-03, May 2014.

Casavant, K., **Sage, J.**, Wandschneider, P. 2014. Agency Measure Validity and Reliability: Evaluating the BCA Methods of Federal and State Agencies. Washington State Joint Legislative Audit and Review Committee, Contract NO. 14-03, August 2014.

Sage, J., Casavant, K. 2014. Truck Freight Commodity Flows: US 395 North of Spokane Washington State Highways. Washington State Department of Transportation, WA-RD 836.1, October 2014.

Sage, J., Casavant, K. 2014. Freight Commodity Flows: Selected Washington State Highways. Washington State Department of Transportation, WA-RD 825.1, April 2014.

Cassey, A., **Sage, J.** 2013. Transportation and International Trade. *Choose Washington State Trade Update*, October. <http://choosewashingtonstate.com/media-center/blogs/trade-update/trade-update-fall-2013/>

Sage, J., Casavant, K., Goodchild, A., McCormack, E., McMullen, S., Wang, Z., Holder, D. 2013. Development of a Freight Benefit/Cost Methodology for Project Planning. Washington State Department of Transportation, WA-RD 815.1, July 2013.

Sage, J., Casavant, K., Lawson, C. 2013. Full Reciprocity Plan Financial Impact Study. Report submitted to International Registration Plan, Inc. & Oregon Department of Transportation, March 2013.

Sage, J., Casavant, K. 2012. Washington Transportation Plan Update: Freight Movement, Washington State Department of Transportation, Freight Systems Division.

Jessup, E., Goodchild, A., **Sage, J.,** Rowell, M., Gagliano, A., Wang, Z. 2011. Improving Statewide Freight Routing Capabilities for Sub-National Commodity Flows Final Report. Report Submitted to Freight Services Division, Washington State Department of Transportation, November, 2011

McCracken, V., **Sage, J.,** Sage, R. 2011. Bridging the Gap: Do Farmers' Markets Help Alleviate Food Deserts? Report Submitted to Institute for Research on Poverty/RIDGE, University of Wisconsin, Madison, WI.

Sage, J. 2010. WSU Research: Accessible Education Via Accessible Public Transportation. *Transportation Northwest Newsletter*, XXII (3).

Jessup, E., **Sage, J.** 2009. Washington State Community and Technical Colleges Transportation Access Study. Report Submitted to the Washington State Board for Community and Technical Colleges. Olympia, WA. September 2009.

Sage, J. 2005. Opportunities for the Advancement of Habitat Friendly Farming on the Greater Skagit Delta. Report Submitted to the Greater Skagit Delta Initiative. Mt. Vernon, WA.

McCoy, N., **Sage, J.,** Bower, B. 2003. Economic Analysis of Reproductive Inhibition for Nuisance Wildlife. Report Submitted to USDA Wildlife Services. Fort Collins, CO.

CONFERENCE PRESENTATIONS & INVITED SPEAKING

Sage, J., Casavant, K., Zhou, Y. Freight Corridors: A Watershed Approach. Presented at the 90th Annual Conference of the Western Economic Association International in Honolulu, HA, June 28, 2015.

Sage, J., Casavant, K., Eustice, J.B. Washington State Short Line Railroads: Meeting 21st Century Demands with 19th Century Technologies. Presented at the 90th Annual Conference of the Western Economic Association International in Honolulu, HA, June 28, 2015.

Sage, J., Casavant, K., Zhou, Y. U.S. 95 Freight Multi-Modal Corridor Supply Chain: A Pilot Study. Presented at the 56th Annual Transportation Research Forum in Atlanta, GA, March 14, 2015.

Eustice, J.B., **Sage, J., Casavant, K.** Reroute or Wait It Out: Estimating the Time until Spoilage in the Presence of Unexpected Delays. Presented at the 56th Annual Transportation Research Forum in Atlanta, GA, March 14, 2015.

Zhou, Y., **Sage, J.** Highway Investment, Freight Emission, and Export. Presented at the 56th Annual Transportation Research Forum in Atlanta, GA, March 14, 2015.

Sage, J., Casavant, K., Eustice, J.B. Washington State Short Line Rail Inventory and Needs Assessment. Presented at the 56th Annual Transportation Research Forum in Atlanta, GA, March 14, 2015.

Sage, J. Agricultural Shipping Issues, Challenges, and Successes: Rail, Road, and River to Export. Invited presentation for the Washington Public Ports Association Transportation & Infrastructure Seminar 2014.

Sage, J., Casavant, K. Eustice, J., Zhou, Y. Apples, Hay, and French Fries, Ohh My!: Developing a Commodity Flow Framework on Washington's Highways. Presented at the WEAI/TPUG Annual Meeting, June, 2014.

Sage, J., Casavant, K. Miller, A., Maxwell, J. Broadening Freight Performance measurement: Freight Multi-Modal Facility Viability. Presented at the WEAI/TPUG Annual Meeting, June, 2014.

Sage, J., Casavant, K. Miller, A., Maxwell, J. Freight Asset Management: Threshold and Viability Analyses of Freight Multi-Modal Facilities. Presented at the Transportation Research Forum 55th Annual Meeting, March, 2014.

Sage, J., Casavant, K., Eustice, J., Zhou, Y. What's on Our Roadways?: Just Stop and Ask Them. Washington Transportation Commission, April, 2014.

Casavant, K., McCracken, V., Nguyen, D., Sancewich, B., Jessup, E., McCluskey, J., **Sage, J.** Examining Agribusiness Shippers' Responses to Regulatory Change." Presented at the 13th World Conference on Transportation Research in Rio de Janeiro, Brazil, July, 2013.

Sage, J. Keeping Freight Moving: Enabling Disaster Resilient Transportation Networks. Presented at Transportation Research Board Summer Meetings, June, 2013.

Taylor, J., Casavant, K., **Sage, J.**, Ivanov, B. The Cost of Congestion: The True Costs of Slowing the Distribution Networks. Presented at the Food Distribution Research Society Annual Meeting, October, 2013.

Sage, J., Casavant, K., Eustice, J. Zhou, Y. Washington State Commodity Flows: Perishable Goods' Mitigation of Extended Weather Induced Road Closures. Presented at the Food Distribution Research Society Annual Meeting, October, 2013.

McMullen, B. Starr, Holder, D., Wang, Z., McCormack, E., Goodchild, A., Casavant, K. **Sage, J.** The Measurement and Valuation of Time and time Reliability for Freight for Use in Highway Project Evaluation: Conceptual and Practical Issues. Presented at the Transportation Research Forum 54th Annual Meeting, March, 2013.

Sage, J., Casavant, K. Choosing the Right Model: Effects of Economic Impact Model Selection on Truck-Freight Network Investment Prioritization. WEAI/TPUG Annual Meeting, June, 2013.

Holmgren, M., Casavant, K., Jessup, E., **Sage, J.** After 35 Years, Does It Need to Change? Evaluating the Fuel Usage Factor for Structures. 92nd Annual Meeting of the Transportation Review Board, January, 2013.

Sage, J., McCracken, V., Sage, R. Bridging the Gap: Do Farmers' Markets Help Alleviate Food Deserts? Allied Social Sciences Association, January, 2013.

Simmons, S., Casavant, K., **Sage, J.** A Real Time Assessment of the Columbia-Snake River Extended Lock Outage: Process and Impacts. 92nd Annual Meeting of the Transportation Review Board, January, 2013.

Taylor, J., Casavant, K., Moore, D., **Sage, J.**, Ivanov, B. The Economic Impact of Increased Congestion for Freight Dependent Businesses in Washington State. 92nd Annual Meeting of the Transportation Review Board, January, 2013.

Wang, Z., **Sage, J.**, Goodchild, A., Jessup, E., Casavant, K., Knutson, R. A Framework for Determining Highway Truck-Highway Benefits and Economic Impacts. 92nd Annual Meeting of the Transportation Review Board, January, 2013.

Sage, J. Counter-Hegemonic Possibilities: Recovering the Spaces of Food Consumption? 59th Annual North American Meetings of the Regional Science Association International, November, 2012.

Sage, J., Jessup, E., Casavant, K.L. Geographic Scale Effects on Economic Model Performance in Response to Truck-Freight Network Improvements. 46th Pacific Northwest Regional Economic Conference, May, 2012.

McCracken, V., **Sage, J.,** Sage, R. Bridging the Gap: Do Farmers' Markets Help Alleviate Food Deserts? IRP RIDGE Center for National Food and Nutrition Assistance Research: Small Grant Workshop, September, 2011.

Sage, J., McCracken, V. Watering the Food Deserts: Do Farmers' Markets Increase Access to Healthy Food or Reproduce the Same Old Logic? 74th Annual Meeting of the Rural Sociological Society, July, 2011.

Sage, J., Sage, R., McCracken, V. Bringing Home the Food: How Rural Communities are Regaining Access to 'Good Food'. Agriculture, Food and Human Values Society Conference, June, 2011.

Sage, J. Geographic Variability in Who Participates in Alternative Food Networks. Pacific Sociological Association, March, 2011.

Sage, J. Farmers' Markets: Rationale of the Periodic Market Revisited. American Association of Geographers Annual Meeting, April, 2011.

Sage, J. A Spatially Explicit Examination of the Effects of Organic Producers' Justifications on Willingness to Direct Market to Consumers. 73rd Annual Meeting of the Rural Sociological Society, August, 2010.

Sage, J. CSA Market Power: Implications of Spatial Isolation and Non Pecuniary Producer Motivations. Local Foods Workshop of the Northeastern Agricultural and Resource Economics Association Annual Conference, June, 2010.

Sage, J. When All Miles Are Not the Same: Spatial Non-Stationarity Impacts of Educational Travel Time Requirements. IVth World Conference of the Spatial Econometrics Association, June, 2010.

Sage, J. Spatial Non-Stationarity of Educational Travel Time Impacts: An Application of Geographically Weighted Regression. 44th Pacific Northwest Regional Economic Conference, May, 2010.

Sage, J., Jessup, E. Educational Access: A Geography of Opportunity for the Community Colleges of Washington. 56th Annual North American Meetings of the Regional Science Association International, November, 2009.

WORKS IN PROGRESS

Sage, J., Casavant, K., Miller, A., Maxwell, J. (2015). Performance Based Asset Management Tool for Rural Freight Mobility. Idaho Transportation Department, Estimated Completion September 2015.

Sage, J., Casavant, K., (2016). Study of Rural Transportation Issues. United States Department of Agriculture, Estimated Completion Date April 2016.

Sage, J., Casavant, K. Wandschneider, P., Economic Vitality of 'The New West': Recreation Impacts on County Economic Vitality.

Brady, M., **Sage, J.,** Casavant, K. Wandschneider, P., Public Land Influences on Regional Economic Vitality.

Sage, J., Casavant, K. Wandschneider, P. Best Practice Implementation: Evaluating the BCA Methods of Federal and State Agencies.

Sage, J., Casavant, K. Disaggregating Agricultural Transportation: Modeling Roadway Demand Using CropScape Imaging.

Sage, J., Miller, A., Casavant, K. Economic Impacts of Intermodal Facility Investment

Sage, J. Eustice, J.B., Casavant, K. Freight Decisions: Factors Affecting the Reroute of freight in the Face of Seasonal Disruptions.

FUNDING SUPPORT

Principal Investigators	Year	Title	Agency	Amount
Under Review				
Nickerson, N; Sage, J	2016	Camp Based Transformational Experiences	American Camp Association	\$500,000
Funded: In-Progress				
Nickerson, N; Sage, J	2016	Analyzing Economic and Social Opportunities and Challenges Related to Bison Conservation in Northeast Montana	National Wildlife Federation	\$25,000
Funded: Completed				
Sage, J. ; Casavant, K.	2015	Palouse Regional Freight Study	Palouse RTPO	\$60,000
Sage, J.	2015	Evaluation of the Social Cost of Modal Diversion: A Multimodal Safety Analysis	PacTrans (Region X UTC)	\$60,000
Sage, J. ; Casavant, K.	2014	Wheat Supply Chain (SHRP2)	Washington State Department of Transportation	\$10,000
Sage, J. ; Casavant, K.	2014	U.S. 95 Freight Multi-Modal Corridor Supply Chain: A Pilot Study	Idaho Department of Transportation	\$89,954
Sage, J. ; Casavant, K.	2014	Performance-Measure Based Asset Management Tool for Rural Freight Mobility	Idaho Department of Transportation	\$74,964
Sage, J. ; Casavant, K.	2014	Implications of Increased Northern Corridor Oil and Coal Movement on Washington Agriculture	WSU Internal	\$64,165
Sage, J. ; Casavant, K.	2014	Shortline Rail Inventory & Needs Assessment	Washington State Department of Transportation	\$119,977
Casavant, K.; Sage, J. ; Wandschneider, P.	2014	Study on Washington's Public Recreation and Habitat Lands	Joint Legislative Audit and Review Committee	\$202,000
Sage, J. ; Casavant, K.	2013	Agricultural Transportation Study	USDA-AMS	\$135,000
Sage, J. ; Abdel-Rahim, A.	2013	Performance-Measure Based Asset Management Tool for Rural Freight Mobility in the Pacific Northwest	PacTrans (Region X UTC)	\$200,000

Casavant, K.; Sage, J.	2012	International Registration Plan-Full Reciprocity Plan	Oregon Department of Transportation	\$85,703
Sage, J. ; Casavant, K.	2012	Freight Commodity Flows: Selected Washington State Highways	Washington State Department of Transportation	\$303,322
Casavant, K.; Sage, J. ; Jessup, E.	2012	Development of a Freight Benefit-Cost Methodology for Project Planning	Washington State Department of Transportation	\$118,303
McCracken, V.; Sage, J. ; Sage, R	2010	Bridging the Gap: Do Farmers' Markets Help Alleviate Food Deserts?	Institute for Research on Poverty- USDA	\$38,363
Harder, R.; Sage, J.	2006	Home Range and Herd Composition Evaluation of Roosevelt Elk in the Dosewallips Drainage in Support of treaty Hunting Rights	Bureau of Indian Affairs	\$41,122
Harder, R.; Sage, J.	2006	Elk Home Range and Herd Composition Evaluation in the Eastern Olympic Peninsula in Support of Treaty Hunting Rights	Bureau of Indian Affairs	\$39,204
Harder, R.; Sage, J.	2005	Legal and Policy Support for the Co-Management of the Dungeness Elk Herd	Bureau of Indian Affairs	\$40,595
			Total Funded To Date	\$1,707,672
			Total Pending	\$500,000