

SYLVIA BRANDT
Assistant Professor
Department of Resource Economics and
Center for Public Policy and Administration
University of Massachusetts, Amherst
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EDUCATION

Ph.D. in Agricultural and Resource Economics (2001). University of California, Berkeley.

- Dissertation: Coase and the clams: Constructing markets for property rights in fisheries.
- Advisor: Professor Michael Hanemann.

M.A. in Economics (1998). University of California, Berkeley.

B.A. with High Honors in Economics (1992). Oberlin College.

FIELDS OF INTEREST

Fisheries economics, economics of health, non-market valuation.

EMPLOYMENT

2008 -- Assistant Professor. Joint Appointments in Department of Resource Economics and Center for Public Policy and Administration. University of Massachusetts Amherst.

2005-2006 Visiting Scholar. School of Public Health. University of California, Berkeley.

2004-2008 Affiliated Professor. Center for Public Policy and Administration. University of Massachusetts Amherst.

2001-2008 Assistant Professor. Department of Resource Economics. University of Massachusetts Amherst.

GRANTS

2009-2012 Climate change and responses in a coupled marine system. National Science Foundation. Brandt (UMass \$174,997), Hoffman (Old Dominion \$300,000), Mann (VIMS \$99,999) and McCay (Lead PI, Rutgers \$926,068).

2009-2010 New approaches to estimating cost and burden of traffic-related air pollution. South Coast Air Quality Management District. Brandt (UMass \$78,000) and McConnell (USC \$250,000).

- 2008-2009 What determines household investments in health? The case of childhood asthma in low-income urban areas. University of Massachusetts Research Faculty Grant. Brandt (UMass \$24,000).
- 2003-2008 Phase Two: Implementation and evaluation of Controlling Asthma in American Cities Program. Centers for Disease Control and Prevention. Brandt (UMass \$108,000) and Tager (UC Berkeley, \$1.2 million).
- 2003-2005 Institutions, economics and regulatory design in fisheries. National Oceanic and Atmospheric Administration. Brandt (UMass \$83,000).
- 2003-2005 Valuing reduced asthma morbidity in children. US Environmental Protection Agency-Science to Achieve Results Grant. Brandt and Hanemann (UC Berkeley).

AWARDS

- National Oceanic and Atmospheric Administration/National Sea Grant Joint Graduate Fellowship in Marine Resource Economics. University of California, Berkeley. Spring 2000-Fall 2001.
- Giannini Foundation of Agricultural Economics Graduate Fellowship. University of California, Berkeley. Spring 1999.
- Phi Beta Kappa Graduate Student Scholarship. University of California, Berkeley. Spring 1998-Fall 1998.
- Abigail R. Hodgen Grant for Academic Publication. University of California, Berkeley. Spring 1998.
- National Science Foundation Graduate Research Fellowship. Fall 1994-Spring 1997.
- Phi Beta Kappa, Zeta Chapter of Ohio. Oberlin College. Spring 1992.
- Joel Dean Award for Outstanding Work in Economics. Oberlin College. Spring 1992.
- Jerome Davis Fellowship for Independent Honors Research. Oberlin College. Fall 1991-Spring 1992.
- Jesse Philips Award for Outstanding Work in Economics. Oberlin College. Spring 1991.

PUBLICATIONS

Refereed journal articles

Brandt, S. & St. Marie, P. Racial disparities in hospital length of stay for asthma. *Journal of Family and Economic Issues*. (Accepted.)

McEvoy, D., Brandt, S., Lavoie, N., & Anders, S. (2009). The effects of ITQ management on fishermen's welfare when the processing sector is imperfectly competitive. *Land Economics*, 85(3), 470-484.

Brandt, S. & Ding, N. (2008). Impact of property rights on labor contracts in commercial fisheries. *Ocean and Coastal Management*, 51(11), 740-748.

Brandt, S. (2007). Evaluating tradable property rights for natural resources: The role of strategic entry and exit. *Journal of Economic Behavior & Organization*, 63(1), 158-176.

Sadof, M., Boschert, K., Brandt, S., & Motyl, A. (2006). An analysis of predictors of sustainability efforts at the Inner-City Asthma Intervention sites. *Annals of Allergy, Asthma and Immunology*, 97(1), S31-S35.

Brandt, S. & McEvoy, D. (2006). Distributional effects of property rights: Transitions in the Atlantic herring fishery. *Marine Policy*, 30(6), 659-670.

Ash, M. & Brandt, S. (2006). Disparities in asthma hospitalizations in Massachusetts. *American Journal of Public Health*, 96(2), 358-362.

Brandt, S. (2005). The equity debate: Distributional impacts of individual transferable quotas. *Ocean and Coastal Management*, 48(1), 15-30.

Brandt, S. (2005). A tale of two clams. *Regulation*, 28(1), 18-21.

Brandt, S. (1995). The efficacy of limited access policies: A case study of the quahog and surf clam fisheries. *Journal of Environmental Systems*, 23(1), 21-49.

Revised and resubmitted

Brandt, S., Vasquez Lavin, F., & Hanemann, M. Designing contingent valuation scenarios for environmental health: The case of childhood asthma. *Journal of Environmental Economics and Management*. (First revision.)

Brandt, S., Gale, S., & Tager, I. Estimation of treatment effect of asthma case management using propensity score methods. *American Journal of Managed Care*.

Under review

Brandt, S. & Hanemann, M. Valuation methodologies for chronic illnesses. *Health Economics*.

Refereed book chapters

Samnaliev, M. & Brandt, S. (2005). Further inquiry into the effect of managed care on the utilization and cost of medical care among patients diagnosed with asthma and diabetes. In Y. Yfantopoulos (Ed.), *The economics of health reforms* (pp. 325-340). Athens, Greece: Athens Institute for Education and Research.

McCay, B. & Brandt, S. (2001). Changes in fleet capacity and ownership of harvesting rights in the United States surf clam and ocean quahog fishery. In R. Shotton (Ed.), *Case studies on the effects of transferable fishing rights on fleet capacity and concentration of quota ownership* (pp. 44-60). Rome, Italy: Food and Agricultural Organization of the United Nations.

Refereed book reviews

Brandt, S. Review of *Fishery buybacks*, by D. Squires & R. Curtis (Eds.). *American Journal of Agricultural Economics*. Accepted for publication.

Brandt, S. (2004). Review of *Policy instruments for environmental and natural resource management*, by T. Sterner. *American Journal of Agricultural Economics*, 86(4), 1154-1156.

Refereed proceedings and abstracts

Magzamen, S., Brandt, S., & Tager, I. (2005). Integrating epidemiologic evidence and economic evaluation: A contingent valuation approach. *Proceedings of the Society for Epidemiology Research*. Toronto, Canada.

Brandt, S. & Netzer, N. (2003). Health impacts of proposed changes to the Clean Air Act: Implications for economic assessments. Presented at the Association of Public Policy and Management. Washington, DC. Available at *APPAM On-line*.

Policy articles

Brandt, S. (2009). Against physician pay-for-performance. *The Washington Post* (online), July 30, 2009. http://voices.washingtonpost.com/hearing/2009/07/against_physician_pay-for-perf.html.

Monographs

Brandt, S. (2003). Economic evaluation of tradable property rights. California Sea Grant Technical Narrative E/MRE-2.

McCay, B. & Brandt, S. (2001). Cost profile of the surf clam and ocean quahog industry. Final Report to the Cooperative Marine Education and Research/NOAA/Rutgers University Research Project. DOC-NOAA-Surfclamming and Quahogging.

McCay, B. & Brandt, S. (2001). Initial allocation in the Mid-Atlantic surf clam and ocean quahog individual transferable quota fisheries. Report to the Food and Agricultural Organization of the United Nations.

McCay, B. & Brandt, S. (2001). Fishing capacity and ownership patterns in the Mid-Atlantic surf clam and ocean quahog individual transferable quota fisheries. Report to the Food and Agricultural Organization of the United Nations.

Working papers

Brandt, S., Gale, S., & Tager, I. (2009). Economic evaluation of asthma interventions using propensity score matching. Working Paper 2009-3. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S., Vasquez, F., & Hanemann, M. (2008). Designing contingent valuation scenarios for environmental health: The case of childhood asthma. UCDARE Working Paper 1076. Department of Agricultural & Resource Economics, University of California, Berkeley. http://repositories.cdlib.org/are_ucb/1076.

Sadof, M. & Brandt, S. (2007). Asthma management survey of participants in an inner city asthma intervention. Working Paper 2007-2. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S. (2003). Evaluating tradable property rights for natural resources: The role of strategic entry and exit. Working Paper 2003-9. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

Brandt, S. (2003). A tale of two clams: Policy anticipation and industry productivity. Working Paper 2003-10. Department of Resource Economics, University of Massachusetts Amherst. <http://people.umass.edu/resec/workingpapers/>.

PRESENTATIONS

Peer refereed

- 2008 Brandt, S., Gale, S., & Tager, I. Estimation of treatment effect of asthma case management using propensity score methods. American Public Health Association. San Diego, CA. (Presented by S. Gale.)
- Brandt, S., Vasquez, F., & Hanemann, M. Integrating household perspectives into revealed preference models. Society for Risk Analysis. Boston, MA.
- Brandt, S., Gale, S., & Tager, I. Economic analysis of an asthma intervention using propensity score methods. American Society of Health Economists. Durham, NC.
- Brandt, S., Vasquez, F., & Hanemann, M. Valuing what matters to the family: A research protocol for contingent valuation surveys. American Association of Environmental and Resource Economists. Berkeley, CA.
- 2007 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. American Economics Association. Chicago, Illinois.

- 2006 McEvoy, D., Brandt, S., Lavoie, N., & Anders, S. The effects of ITQ management on fishermen's welfare in the presence of an imperfectly competitive processing sector. American Agricultural Economics Association. Long Beach, CA. (Presented by D. McEvoy.)
- Magzamen, S., Brandt, S., & Tager I. Strategies to identify relevant behaviors and costs in family asthma management. American Society of Health Economists. Madison WI. (Presented by S. Magzamen.)
- 2005 Brandt, S. & Netzer, N. Forecasting the effects of the Clear Skies Act on health disparities. International Health Economics Association. Barcelona, Spain.
- 2003 Brandt, S. & Netzer, N. Health impacts of proposed changes to the Clean Air Act: Implications for economic assessments. Association for Public Policy and Management. Washington, DC.
- Brandt, S. Contrasting a traditional teaching style to a technology aided style. American Agricultural Economics Association. Montreal, Canada.
- Brandt, S. A Tale of two clams: Policy anticipation and industry productivity. American Agricultural Economics Association. Montreal, Canada.
- Brandt, S. Evaluating tradable property rights for natural resources: The role of strategic entry and exit. European Association of Environmental and Resource Economists. Bilbao, Spain.
- Brandt, S. Equity versus efficiency: A comparison of two regulatory approaches to natural resources. European Association of Environmental and Resource Economists. Bilbao, Spain.
- 2002 Brandt, S. & Hanemann, M. Designing an instrument to value reduced asthma morbidity in children. Annual Meeting of the Southern Economic Association. New Orleans, LA.
- Brandt, S. Efficiency versus equity: The impact of property rights on industry structure. Second World Congress of Environmental and Resource Economists. Monterey, CA.
- 1998 Brandt, S. The efficiency of transferable property rights for common property resource regulation: A theory or a reality? American Agricultural Economics Association Conference. Salt Lake City, UT.
- 1997 Brandt, S. Policy and productivity in a common property fishery. Western Economic Association International Annual Conference. Seattle, WA.
- 1992 Brandt, S. The efficacy of limited access policies. Illinois Economic Association. Chicago, IL.

Invited seminars

- 2008 Brandt, S. Reforming health care with the Massachusetts model. Connecting Ideas with Action Panel, Center for Public Policy and Administration. University of Massachusetts, Amherst.
- Brandt, S. The economics of asthma. Presentations to the Health, Econometrics and Data Group and Health Policy Center. University of York.
- Brandt, S. New methodologies for valuing health. Zumberge Workshop. University of Southern California.
- 2007 Brandt, S. & Hanemann, M. Willingness to pay for improved health: Comparison of stated and revealed preference approaches. Environmental Economics Seminar Series. Yale University.
- 2006 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. Morbidity and Mortality: How Do We Value the Risk of Death and Illness?, U.S. EPA's National Center for Environmental Economics. Washington, D.C.
- Brandt, S. Institutional distortions of markets for tradable property rights. Institutional Analysis Seminar, Haas School of Business. University of California, Berkeley.
- Brandt, S. Economic analysis of health interventions. Institute of Business and Economic Research. University of California, Berkeley.
- 2005 Brandt, S. & Tager, I. Time series analysis for evaluations of asthma interventions. Controlling Asthma in America's Cities Program, Centers for Disease Control and Prevention. Atlanta, Georgia.
- 2004 Brandt, S. & Hanemann, M. Designing a revealed preference survey. Industrial Economics. Cambridge, MA.
- Brandt, S. Measuring strategic bias from property rights. Department of Economics. University of Connecticut, Storrs.
- Brandt, S. Evaluating tradable property rights for fisheries. Department of Environmental and Natural Resource Economics. University of Rhode Island.
- Brandt, S. Air quality and repeat hospitalizations. Center for Energy and Environmental Studies Seminar Series. Boston University.
- 2003 Brandt, S. & Hanemann, M. Valuing reduced asthma morbidity in children. Valuing Environmental Health Risk Reductions to Children, U.S. EPA's National Center for Environmental Economics. Washington, DC.
- 2002 Brandt, S. Allocation of tradable property rights: Lessons from the surf clam fishery. National Oceanic and Atmospheric Administration Research Meetings. Silver Springs, MD.

- Brandt, S. The role of strategic behavior in the evaluation of tradable property rights. Annual Meeting of the Ocean Governance Studies Group Conference. Berkeley, CA.
- 2001 Brandt, S. ITQs: What do we know? Where do we go? National Oceanic and Atmospheric Administration/National Sea Grant Research Fellows Meeting. Silver Spring, MD.
- 1994 Brandt, S. Economic impacts of brownfields. Environmental Priorities for Northeast Ohio Conference. Case Western Reserve University.
- 1992 Brandt, S. Cost-benefit methodology for lead abatement. Lead Poisoning Seminar. Case Western Reserve University.

Refereed poster sessions

- 2005 Magzamen, S., Brandt, S., & Tager, I. Integrating economic evaluation and epidemiologic evidence: A contingent evaluation approach. Society for Epidemiologic Research-Canadian Society of Epidemiology and Biostatistics Joint Meeting. Toronto, Canada. (Presented by S. Magzamen.)
- Boschert, K., Brandt, S., & Sadof, M. An assessment of the Inner City Asthma Intervention Program in Springfield, Massachusetts. American Public Health Association. Philadelphia, PA.
- Brandt, S. & Brandt, E. Evaluation of reducing alcohol abuse through curriculum infusion: Assessment of implementation on college campuses. American Public Health Association. Philadelphia, PA.
- Brandt, S. & Ash, M. Social disparities in asthma outcomes. International Health Economics Association. Barcelona, Spain.
- 2004 Brandt, S. & Hanemann, M. Households' responses to perceived air pollution and childhood asthma morbidity. American Public Health Association. Washington, D.C.
- Brandt, S. & Hanemann, M. Valuation of reduced asthma morbidity. EPA Science Forum 2004: Health of Communities and Ecosystems. Washington, D.C.

TEACHING

Undergraduate courses

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| Introduction to Statistics for the Social Sciences | Spring 2002, 2003, 2004, 2005;
Fall 2007 |
| Special Topics in Resource and Environmental Economics | Fall 2004*, 2006*, 2007*, 2008,
2009 |

* *Indicates the course was team-taught that semester.*

Graduate courses

Environmental and Resource Economics (M.S.)	Fall 2002*, 2003*, 2004*, 2006*
Advanced Environmental and Resource Economics (Ph.D.)	Fall 2002*, 2003*, 2004*, 2006*, 2007*, 2008
Applied Public Sector Economics (M.S. in Public Policy)	Spring 2009
Economics of Climate Change (M.S. in Public Policy)	Fall 2009

* *Indicates the course was team-taught that semester.*

Informal courses (number of students in parentheses)

Graduate-level independent reading	2002-2003 (3), 2003-2004 (2), 2007-2008 (1)
Undergraduate-level independent reading	2004-2005 (1), 2008-2009 (2)
Member of undergraduate honor's thesis committee	2002-2003 (1), 2007-2008 (1)
Undergraduate internship supervisor	2003-2004 (1), 2007-2008 (1)
Community service learning	
<ul style="list-style-type: none"> • Internship at local animal shelter • Statistics projects for local non-profits 	<p>Fall 2004-Spring 2005 (19)</p> <p>Spring 2005 (2)</p>

Graduate students*Doctoral advisor*

2010 Cesar Viteri, Resource Economics, UMass (expected date).

Doctoral committee member

2007 Sheryl Magzamen, Epidemiology, University of California, Berkeley.
 Sirisha Naidu, Resource Economics, University of Massachusetts Amherst.

2006 Maria Velez, Resource Economics, University of Massachusetts Amherst.
 David Damery, Resource Economics, University of Massachusetts Amherst.

2004 Mihail Samnaliev, Resource Economics, University of Massachusetts Amherst.

Master's thesis advisor

2010 Laura Alayon, Resource Economics, University of Massachusetts Amherst (expected date).

2006 Michael Kruzewski, Resource Economics, University of Massachusetts Amherst.
Kathryn Boschert, Resource Economics, University of Massachusetts Amherst.

Master's thesis committee member

2003 Ning Ding, Resource Economics, University of Massachusetts Amherst.

Master's research project advisor

2009 Thomas Martin, Resource Economics, University of Massachusetts Amherst.

2008 Amy Baker, Resource Economics, University of Massachusetts Amherst.

2005 Yi Zhong, Resource Economics, University of Massachusetts Amherst.

2004 Matthew Saradjian, Center for Public Policy & Administration, University of Massachusetts Amherst.

2003 Li Zhao, Resource Economics, University of Massachusetts Amherst.

SERVICE

Scientific advisory board

2009-2012 U.S. Environmental Protection Agency. Advisory Council on Clean Air Compliance. Council Member.

Referee

Journals

- American Journal of Agricultural Economics
- American Journal of Managed Care
- American Journal of Public Health
- Applied Economics
- Applied Health Economics and Health Policy
- B.E. Journal of Theoretical Economics
- Energy and Resource Economics
- Environment and Development Economics
- Health Economics

- Journal of Policy Analysis and Management
- Marine Resource Economics

Presses

- American Fisheries Society

Grant agencies

- Social Science and Humanities Research Council of Canada
- Maryland Sea Grant

Annual conferences

- Agricultural and Applied Economics Association, Institutional and Behavioral Economics Section. 2008.
- American Agricultural Economics Association. 2002, 2003.

Committees

- Northeastern Agricultural and Resource Economics Association Master's Thesis Competition. Member of judging committee. 2009.
- American Agricultural Economics Association Master's Thesis Competition. Member of judging committee. 2004-2006.

Professional meetings

- Session moderator. Association of Environmental and Resource Economists, American Economics Association. San Francisco, CA. January 2009.
- Discussant. American Society of Health Economists. Durham, NC. June 2008.
- Discussant. Association of Environmental and Resource Economists, American Economics Association. New Orleans, LA. January 2008.
- Discussant (2 sessions). European Association of Environmental and Resource Economists. Bilbao, Spain. June 2003.
- Session moderator. European Association of Environmental and Resource Economists. Bilbao, Spain. June 2003.
- Session moderator. American Agricultural Economics Association. Montreal, Canada. July 2003.
- Discussant. Association for Public Policy Analysis and Management. Washington, DC. November 2003.

- Discussant. Second World Congress of Environmental and Resource Economists. Monterey, CA. June 2002.

Other professional service

- Contractor for U.S. EPA National Center for Environmental Economics on a collaboration between NCEE and Centers for Disease Control and Prevention to revise the 2007 National Health and Nutrition Examination Survey. 2005.
- Expert Contact for Sea Grant for issues central to the Oceans Act of 2000. 2004.
- Consultant to U.S. Government Accountability Office for report to Congress on imperfections in the markets for tradable property rights in fisheries. 2002.

University and departmental service

- Honors Coordinator, Honors Program of the Commonwealth College, 2009.
- Executive Board Member, Massachusetts Society of Professors, UMass Amherst-Boston Chapter. 2004-2005 and 2008 to present.
- Member, Departmental Research and Grants Committee. 2006-present.
- Co-Chair, Departmental Seminar Committee. 2002-present.
- Member, Faculty Committee for Ph.D. Qualifiers. 2002-present.
- Member, Departmental Undergraduate Committee. 2002-2005, 2008-present.
- Coordinator, Health Research Working Group, Center for Public Policy and Administration. 2003-2004.
- Pilot test of Academic Computing and SIS Project to integrate WebCT and SPIRE, Office of Information Technologies. May 2004.

Testimony and radio appearances

- Testified at State House hearing on decline in faculty numbers; testimony from December 2004 included in report issued by hearing panel. Boston, MA. February 16, 2005.
- Quoted in WFCR broadcast (local NPR station). Amherst, MA. December 2, 2004.
- Spoke at press conference. The Faculty Shortage at the University of Massachusetts Amherst. Amherst, MA. December 1, 2004.