Weizhe Weng

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Education

Ph.D. in Economics, Virginia Tech,   May 2019 (Expected)
  Dissertation: Essays on Non-market Valuation and Coupled Natural and Human Systems
  Advisors: Kevin J. Boyle, Kelly M. Cobourn
M.S. in Economics, Jinan University,   July 2014
B.S. in Economics (with Honors), Jiangxi University of Finance and Economics,   July 2011
B.A. in English, Jiangxi University of Finance and Economics,   July 2011

Fields

Environmental and Resource Economics, Applied Econometrics, Agricultural Economics

Publications

Cobourn, K. M., C. C. Carey, K. J. Boyle, C. Duffy, H. A. Dugan, K. J. Farrell, L. Fitchett, P. C. Hanson, J. A.Hart, V. R. Henson, A. L. Hetherington, A. R. Kemanian, L. G. Rudstam, L. Shu, P. A. Soranno, M. G. Sorice, J. Stachelek,N. K. Ward, K. C. Weathers, **W. Weng**, and Y. Zhang. 2018. From Concept to Practice to Policy: Modeling Coupled Natural and Human Systems in Lake Catchments. *Ecosphere* 9(5): e02209. 10.1002/ecs2.2209

Yang, S., S. Wei, and **W. Weng**. (2017). Game Analysis and Strategy Choices of North-South Carbon Emission Quota Policies. *Journal of Management Sciences in China*, 19(1),12-21. *(In Chinese)*

Yang, S., S. Wei, R. Xu, and **W Weng**. (2014). An Analysis and Comparison on Economic and Environmental Effects of Climate Policies: a Dynamic Differential Game Model on the Basis of Carbon Tax, Tradable Emission Permits and Command-and-control. *Mathematics in Practice and Theory*, 22,40-5. *(In Chinese)*

Yang, S., and **W. Weng**. (2014). The Game Analysis and Information Sharing under Strategic Environmental Policy. *Statistics and Decision*, 14, 51-54. *(In Chinese)*

Yang, S., and **W. Weng**. (2013). Analysis of the Differential Game of Climate Policy and its Environmental Effect. *International Economics and trade research*, 29(5), 39-51. *(In Chinese)*

Yang, S., and **W. Weng**. (2013). The Game of Corporate Relocation and Environmental Regulation under Foreign Direct Investment. *Journal of Quantitative Economics*, 30(2), 92-99. *(In Chinese)*

Working Papers

Weng, W., M. D. Morrison, K. J. Boyle, P. C. Boxall, and J. M. Rose. Effects of the Number of Alternatives in Public Good Choice Experiments. (Under Review)

Ward, N.K., L. Fitchett, J. A. Hart, L. Shu, J. Stachelek, **W. Weng**, Y. Zhang, H. Dugan, A. Hetherington, K.J. Boyle, C. C. Carey, K. M. Cobourn, P. C. Hanson, A. R. Kemanian, M. G. Sorice, and K. C. Weathers. Integrating Fast and Slow Processes is Essential for Simulating Human-Freshwater Interactions. (Under Review)

Ji, X., K. M. Cobourn, and **W. Weng**. The Effect of Climate Change on Irrigated Agriculture: Water-Temperature Interactions and Adaptation in the Western U.S. (Under Review)

Weng, W., K. J. Boyle, K. J. Farrell, C. C. Carey, K. M. Cobourn, S. Brahma, H. A. Dugan, P. C. Hanson, N. K. Ward, and K. C. Weathers. Coupling Lake Water Quality and Hedonic Price Models to Evaluate Impacts of Changes in Nutrient Loading.

Kaul, S., K. J. Boyle, and **W. Weng**. Elicitation Effects in Stated-Preference Surveys: a Structural and Simulations Based Analysis.

Works in Progress

Weng, W., and K. J. Boyle. Using Machine Learning to Uncover Hedonic Regressors.

Weng, W., K. M. Cobourn, and A. R. Kemanian. Double-dipping in Environmental Markets: An Multiple Media Integrated Assessment Model.

Ji, X., **W. Weng**, and Z. Yao. Air pollution, Migration, and the Short vs. Long-run Impact on Cognitive Performance.

Cobourn, K. M., C. C. Carey, K. J. Boyle, C. Duffy, H. A. Dugan, K. J. Farrell, L. Fitchett, P. C. Hanson, V. R. Henson, A. R. Kemanian, L. Shu, M. G. Sorice, K. C. Weathers, **W. Weng** and Y. Zhang. Modeling coupled natural and human systems in lake catchments reveals feedbacks among land-management decisions, water quality degradation, and altered property values.

Honors and Awards

Paul J. Driscoll Graduate Fellowship, Virginia Tech	2018
Nominee, Outstanding Doctoral Student, Virginia Tech	2018
Nominee, Teaching, Learning and Communication Graduate Student Teaching Award, Agricultural and Applied Economics Association	2018
Outstanding Graduate Student, Jinan University	2014
First Prize Scholarship, Jinan University	2011,2012,2013
National Scholarship for Graduate Student, Chinese Ministry of Education	2013
Outstanding Senior, Jiangxi University of Finance and Economics	2011
First Prize Scholarship, Jiangxi University of Finance and Economics	2008,2009,2010,2011
National Scholarship, Chinese Ministry of Education	2008

Conferences and Academic Presentations

2018: 20th Annual CU Environmental and Resource Economics Workshop, Vail, Colorado, USA
Agricultural and Applied Economics Association Annual Meeting, Washington DC, USA
6th World Congress of Environmental and Resource Economists, Gothenburg, Sweden
Lake Sunapee Protective Association, Sunapee, NH, USA (Invited Presentation)

2017: Camp Resources Workshop XXIV, Wilmington, NC, USA
Agricultural and Applied Economics Association Annual Meeting, Chicago, IL,USA
Southern Agricultural and Applied Economics Association, Mobile, AL,USA

Teaching Experience

Instructor
Real Estate Data Analysis, Virginia Tech, Spring 2017, 20 Students
Overall Rating: 5.5/6.0 (Department Average: 4.66/6.0)

Teaching Assistant
Real Estate Data Analysis, Virginia Tech, Spring 2015, Fall 2015, Spring 2016, Fall 2016

Certificates

Graduate Certificate in Future Professoriate, Virginia Tech, 2018
Graduate Certificate in Geospatial Information Technology, Virginia Tech, 2018 (Expected)
Applied Economics Teaching Scholar, Department of Agricultural and Applied Economics, Virginia Tech, 2018 (Expected)

Professional Activities

Referee: 2018 AAEA Annual Meeting, Canadian Journal of Agricultural Economics
Membership: American Economic Association, Agricultural and Applied Economics Association, Association of Environmental and Resource Economists, The European Association of Environmental and Resource Economists

Service

Research Co-chairs, Food and Health Economics Lab, Virginia Tech, 2018-2019
Graduate Representative, Department of Agricultural and Applied Economics, Virginia Tech, 2015-2016

Skills

Computer Skills: Stata, R, GAMS, ArcGIS/ArcPy, Python, MATLAB, LaTeX, RMarkdown
Language Skills: English(fluent), Chinese(native)
Others: Calligraphy, Chinese lute

References

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