

Curriculum Vitae

Ximing Wu

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Education

Ph.D., Agricultural and Resource Economics, University of California, Berkeley, 2003
B.A., Economics, Peking University, 1998

Employment

Professor, Department of Agricultural Economics, Texas A&M University, 2015 –
Associate Professor, Department of Agricultural Economics, Texas A&M University, 2009 – 2015
Assistant Professor, Department of Agricultural Economics, Texas A&M University, 2005 – 2009
Assistant Professor, Department of Economics, University of Guelph, 2003 – 2005

Professional Service

Research Associate, Texas A&M Institute of Data Science, 2019 –
Research Associate, Info-Metrics Institute, American University, 2009 –
Associate Editor, *American Journal of Agricultural Economics*, 2012 – 2017
Program Committee, Conference on Information Theoretic Methods of Inference, University of Cambridge, 2016
Outstanding Thesis Award Committee, Western Agricultural Economics Association, 2016
Program Committee, Conference on Philosophy of Information and Information Processing, University of Oxford, 2015
Chair, Econometrics Section, AAEA, 2015
Editorial Board, *Applied Economics Journal*, 2012 –
Topic leader, Labor and Household Economics, AAEA Annual Meeting, 2012, 2013
Topic leader, Production Economics, AAEA Annual Meeting, 2010, 2011
Program Committee, Southern Agricultural Economics Association Annual Meeting, 2010
Editorial Council, *Journal of Agricultural and Resource Economics*, 2006 – 2009
Program Committee, Canadian Econometrics Study Group annual meeting, 2006

Publications

- [1] Y. Chen, J. Lin, and X. Wu. Revisiting the return-volatility relationship of exchange rates: New evidence from offshore rmb. *Pacific Economic Review*, accepted.
- [2] K. Wen, X. Wu, and D. Leatham. Spatially smoothed kernel densities with application to crop yield distributions. *Journal of Agricultural, Biological, and Environmental Statistics*, accepted.

- [3] W. Wu, X. Wu, Y. Zhang, and D. Leatham. Gaussian process modeling of non-stationary crop yield distributions with applications to crop insurance. *Agricultural Finance Review*, accepted.
- [4] D. Li, L. Wang, and X. Wu. Bayesian estimation of bidding process and bidder's preference under shape restrictions. *Empirical Economics*, 2020.
- [5] S Wang, A. Li, K. Wen, and X. Wu. Robust kernels for kernel density estimation. *Economics Letters*, 191:109–138, 2020.
- [6] F Yi, H. Ye, X. Wu, Y. Zhang, and J. Fei. Self-aggravation effect of air pollution: Evidence from residential electricity consumption in china. *Energy Economics*, 86, 2020.
- [7] J. Lin and X. Wu. A flexible copula specification test under censorship. *Econometric Reviews*, 39:930–946, 2020.
- [8] X. Wu and Y. Zhang. A local maximum likelihood model of crop yield distributions. *Canadian Journal of Agricultural Economics*, 68:117–125, 2020.
- [9] K. Wen and X. Wu. Transformation-kernel estimation of copula densities. *Journal of Business and Economic Statistics*, 38:148–164, 2020.
- [10] K. Wen and X. Wu. A guided nonparametric goodness-of-fit test with application to income distributions. *Econometrics Journal*, 22:207–222, 2019.
- [11] X. Wu. Review of “foundations of info-metrics”. *American Journal of Agricultural Economics*, 101:1305, 2019.
- [12] K. Wen and X. Wu. Generalized empirical likelihood based kernel estimation of spatially similar densities. In M. Chen, J.M. Dunn, A. Golan, and A. Ullah, editors, *Advances in Info-Metrics*. Oxford University Press, 2019.
- [13] T. Jithitikulchai, B. McCarl, and X. Wu. Decadal climate variability impacts on climate and crop yields. *Journal of Agricultural and Applied Economics*, 51:104–125, 2019.
- [14] X. Wu. Robust likelihood cross validation for kernel density estimation. *Journal of Business and Economic Statistics*, 37:761–770, 2019.
- [15] Y. Sun and X. Wu. Leverage and volatility feedback effects and conditional dependence index: A nonparametric study. *Journal of Risk and Financial Management*, 11:1–20, 2018.
- [16] X. Wu and R. Sickles. Semiparametric estimation under shape constraints. *Econometrics and Statistics*, 6:74–89, 2018.
- [17] J. Lin and X. Wu. A sequential test for the specification of predictive densities. *Econometrics Journal*, 20:190–220, 2017.
- [18] K. Wen and X. Wu. Smoothed kernel conditional density estimation. *Economics Letters*, 152:112–116, 2017.
- [19] C. Liu, M. Chang, X. Wu, and C. Chui. Hedges or safe havens—revisit the role of gold and usd against stock: a multivariate extended skew-t copula approach. *Quantitative Finance*, 16:1763–1789, 2016.
- [20] J. Huang, X. Wang, X. Wu, and L. Zhou. Estimation of a probability density function using interval aggregated data. *Journal of Statistical Computation and Simulation*, 86:3093–3105, 2016.

- [21] Y. Zhang, X. Wu, and Q. Li. A simple consistent nonparametric estimator of the lorenz curve. *Advances in Econometrics*, 36:635–654, 2016.
- [22] G. Geir, R. Nayga, and X. Wu. Effects of parental divorce on teenage children’s risk behaviors: Incidence and persistence. *Journal of Family and Economic Issues*, 37:474–484, 2016.
- [23] D. McCorkle, X. Qin, R. Nayga, X. Wu, M. Waller, S. Amosson, J. Smith, S. Bevers, and M. Welch. The effect of the master marketer program on participants’ knowledge, adoption of practices and relative price received. *The Texas Journal of Agricultural and Natural Resources*, 28:50–69, 2015.
- [24] Y. Fang, Q. Li, X. Wu, and D. Zhang. A data-driven smooth test of symmetry. *Journal of Econometrics*, 188:490–501, 2015.
- [25] K. Wen and X. Wu. An improved transformation-based kernel estimator of densities on the unit interval. *Journal of the American Statistical Association*, 110:773–783, 2015.
- [26] J. Lin and X. Wu. Smooth tests of copula specifications. *Journal of Business and Economic Statistics*, 33:128–143, 2015.
- [27] M. Chang and X. Wu. Transformation-based nonparametric estimation of multivariate densities. *Journal of Multivariate Analysis*, 135:71–88, 2015.
- [28] Y. Gao, Y. Zhang, and X. Wu. Penalized exponential series estimation of copula densities with an application to intergenerational dependence of body mass index. *Empirical Economics*, 48:61–81, 2015.
- [29] J.E. Mu, B.A. McCarl, X. Wu, and M. Ward. Climate change and the risk of highly pathogenic avian influenza outbreaks in birds. *British Journal of Environment and Climate Change*, 4:166–185, 2014.
- [30] K. Sukcharoen, T. Zohrabyan, D. Leatham, and X. Wu. Interdependence of oil prices and stock market indices: A copula approach. *Energy Economics*, 44:331–339, 2014.
- [31] T. Dang, D. Leatham, B. McCarl, and X. Wu. Measuring efficiency within the farm credit system. *Agricultural Finance Review*, 74:38–54, 2014.
- [32] X. Villavicencio, B. McCarl, X. Wu, and W. Huffman. Climate change influences on agricultural research productivity. *Climatic Change*, 119:815–824, 2013.
- [33] X. Wu, A. Savvides, and T. Stengos. Global joint distribution of income and health. In J. Ma and M. Wohar, editors, *Recent Advances in Estimating Nonlinear Models With Applications In Economics and Finance*. Springer, 2013.
- [34] Y. Liu, X. Wu, and W. Zeng. Detecting statistical abnormality by combining benford’s law and panel data models. *Statistical Research (in Chinese)*, 2012.
- [35] A. Egbendewe-Mondzozo, M. Musumba, B.A. McCarl, and X. Wu. Climate change and vector-borne diseases: An economic impact analysis of malaria in africa. *International Journal of Environmental Research and Public Health*, 8(3):913–930, 2011.
- [36] G. Gustavsen, R. Nayga, and X. Wu. Obesity and moral hazard in demands for visits to physicians. *Contemporary Economic Policy*, 29:620–633, 2011.
- [37] X. Wu and S. Wang. Information theoretic asymptotic approximations for distributions of statistics. *Scandinavian Journal of Statistics*, 38:130–146, 2011.

- [38] X. Wu. Exponential series estimator of multivariate densities. *Journal of Econometrics*, 156:354–366, 2010.
- [39] T. Stengos and X. Wu. Information theoretic distribution tests with applications to normality. *Econometric Reviews*, 29(3):307–329, 2010.
- [40] C. Chui and X. Wu. Exponential series estimation of empirical copulas with application to financial returns. *Advances in Econometrics*, 25, 2009.
- [41] T. Stengos, B. Thompson, and X. Wu. The joint evolution of the conditional joint distribution of life expectancy and per capita income growth. *Advances in Econometrics*, 25, 2009.
- [42] X. Wu. A weighted generalized maximum entropy estimator with a data-driven weight. *Entropy*, 11(4):917–930, 2009.
- [43] D. P. T. Depositario, R. M. Nayga, X. Wu, and T. P. Laude. Effects of information on consumers’ willingness to pay for golden rice. *Asian Economic Journal*, 23(4):457–476, 2009.
- [44] D. P. T. Depositario, R. M. Nayga, X. Wu, and T. R. Laude. Should students be used as subjects in experimental auctions? *Economics Letters*, 102(2):122–124, 2009.
- [45] J. R. Corrigan, D. P. T. Depositario, R. M. Nayga, X. Wu, and T. P. Laude. Comparing open-ended choice experiments and experimental auctions: An application to golden rice. *American Journal of Agricultural Economics*, 91(3):837–853, 2009.
- [46] Y. Cai, A. A. Alviola, R. M. Nayga, and X. Wu. The effect of food away from home and food at home expenditures on obesity rates: A state level analysis. *Journal of Agricultural and Applied Economics*, 40(2):507–521, 2008.
- [47] B. A. McCarl, X. Villavicencio, and X. Wu. Climate change and future analysis: Is stationarity dying? *American Journal of Agricultural Economics*, 90(5):1241–1247, 2008.
- [48] R. Brummert, R. M. Nayga, and X. Wu. On the use of cheap talk in new product valuation. *Economics Bulletin*, 2:1–9, 2007.
- [49] J. M. Perloff and X. Wu. Tax incidence varies across the price distribution. *Economics Letters*, 96(1):116–119, 2007.
- [50] X. Wu. Overview: Immigration, u.s. agriculture and policy reform. *Choices*, 22, 2007.
- [51] X. Wu and J. M. Perloff. Gmm estimation of a maximum entropy distribution with interval data. *Journal of Econometrics*, 138(2):532–546, 2007.
- [52] X. Wu, J. M. Perloff, and A. Golan. Effects of government policies on urban and rural income inequality. *Review of Income and Wealth*, 52(2):213–235, 2006.
- [53] X. Wu and T. Stengos. Partially adaptive estimation via the maximum entropy densities. *Econometrics Journal*, 8(3):352–366, 2005.
- [54] X. Wu and J. M. Perloff. China’s income distribution, 1985-2001. *Review of Economics and Statistics*, 87(4):763–775, 2005.
- [55] X. Wu. Calculation of maximum entropy densities with application to income distribution. *Journal of Econometrics*, 115(2):347–354, 2003.

Book Chapter

D. Bessler, B. McCarl, X. Wu and H.A. Love. Quantitative Methods in Agricultural Economics. In Encyclopedia of Agriculture Science, Academic Press, 2014.

Teaching

Texas A&M University

Econometrics (Ph.D.), 2007 –
Frontier courses in Market and Information (Ph.D.), 2007 –
– Economics of auctions
– Methods of program evaluation
Industrial Organization (Ph.D.), 2008 –
Production Economics (Ph.D.), 2005 – 2007
Econometrics (Undergraduate), 2005 – 2007

University of Guelph

Econometrics, 2003 – 2005

Student Supervision

Ph.D. students chaired

Chrystal Thomas, current
Wenbin Wu, 2019. First position: Hulu
Song Zhou, 2018.
Sihong Chen, 2017. First position: Amazon
Kuangyu Wen, 2015. First position: Assistant Professor, International School of Economics and Management, Capital University of Economics and Business, China
Paul Navas (co-chair with D. Bessler), 2015
Theepakorn Jithitikulchai (co-chair with B. McCarl), 2014. First position: World Bank
Sung Wook Hong (co-chair with D. Bessler), 2012. First position: Korea Institute for Industrial Economics & Trade
Jiyun, Park (co-chair with B. McCarl), 2012. First position: Korea Forest Research Institute
Meng-Shiuh Chang, 2011. First position: Assistant Professor, School of Fiscal and Tax Studies, Southwestern University of Finance and Economics, China
Xavier Villavicencio (co-chair with B. McCarl), 2010. First Position: Ministry of Agriculture, Ecuador
Ke Li, 2010. First Position: Assistant Professor, School of Economics, Zhongnan University of Economics and Law, China
Chinman Chui, 2009. First Position: Assistant Professor, School of Finance, Xiamen University

Master students chaired

Jianguo Xu (2019)
Fei Shen (2018)
Taehoo Kim (2013)
Miguel Dorta, 2012 (co-chair with Joshua Woodard)

Services

Texas A&M University

Faculty Annual Review Committee, various years
Faculty Recruitment Committee, various years
Chair, Tenure and Promotion Committee, 2021
Department Strategic Plan Steering Committee, 2021
Vice Chair, Tenure and Promotion Committee, 2020
Ph.D. Preliminary Examination Committee, 2014 –
Ph.D. Qualifier Committee, 2006 – 2014
Graduate Advisory Committee, 2007 –
Departmental strategic planning committee, 2008
Undergraduate Advisory Committee, 2005 – 2007

Guelph University

Faculty Recruitment Committee, 2004

Grants and Contracts

TAMU T3 Grant (2020)
Neuhaus-Shepardson Grant TAMU (2019)
USDA-Food For Progress (CO-PI), 2019-2023
USAID (CO-PI), 2017
National Society Science Foundation of China, 2014, (CO-PI)
Inter-American Development Bank, 2014, (PI)
TAMU and NSF, 2014
Texas Census Research Data Center, 2013
United Soybean Board, 2011 (CO-PI)
USDA-FAS Millennium Challenge, 2010, (CO-PI)
TAMU University Transportation Center for Mobility, 2009, (PI)
World Bank, 2008, (PI)
National Science Foundation, 2007
Canada Foundation of Innovation New Opportunity Fund, 2005,
Social Sciences and Humanities Research Council, Canada, 2004-2006 (PI)
University of Guelph Undergraduate Research Grant, 2004, (PI)
Social Science and Humanities Research Council, Canada, 2003, (PI)

Consultations and Contracts

World Bank, Pakistan Development Project
United States Department of Agriculture, Armenia Development Project
Pearson, MIT Press, Cambridge Press, Stanford University Press

Conference Presentations

NBER-NSF SBIES (Seminar in Bayesian Inference in Econometrics and Statistics) Conference, Washington University in St. Louis, 2021
4th Workshop on Maximum Entropy and its Applications, University of Aveiro, Portugal, 2021
Recent Advances in Info-Metrics Research, Info-Metrics Institute, American University, 2021
AAEA Symposium “Info-Metrics for Modeling and Inference”, Atlanta, 2019
Conference on “Impacts of Climate Change on Food Security, Environment and Economy”, Jeju, Korea, 2019
NBER Conference “Understanding Productivity Growth in Agriculture”, Boston, 2017
Conference on Information Theoretic Methods of Inference, University of Cambridge, 2016
Conference in honor of Alman Ullah, University of California, Riverside, 2015
Conference on Philosophy of Information and Information Processing, University of Oxford, 2015
Info-Metrics Conference on Recent Innovations in Info-Metrics, Washington D.C., 2014
AAEA Annual Meeting, Minneapolis, 2014
Econometric Society China Meeting, Xiamen, 2014
International Forum of Modern Statistics and Economics, Xiamen, China, 2013
International Conference of Financial Econometrics at Shandong University, Jinan, China, 2013
Conference on Econometrics and Empirical Microeconomics at Renmin University, Beijing, 2013
Texas Camp Econometrics, Lost Pines, 2013
Info-Metrics Institute Conference on Info-Metrics and Nonparametric Inference at Riverside, 2012
Agricultural and Applied Economics Association Annual Meeting at Seattle, 2012
2012 International Forum of Modern Statistics and Economics, Xiamen, 2012
The Fourth Tsinghua International Conference on Econometric Theory, Beijing, 2012
Texas Camp Econometrics XVII, Houston, 2012
Info-Metrics Institute Fall 2010 Conference, Washington D.C., 2010
Agricultural and Applied Economics Association Annual Meeting, Denver, 2010
The Second Tsinghua International Conference on Econometric Theory, Beijing, 2010
Info-Metrics Institute Spring 2010 Conference, Washington D.C., 2010
The 7th Advances in Econometrics conference at Baton Rouge, 2008
Midwest Econometrics Group meeting at Lawrence, 2008
Midwest Econometrics Group meeting at St. Louis, 2007
Econometrics Society Summer Meeting at Minneapolis, 2006
Texas Camp Econometrics XI at Huntsville, 2006
Econometrics Society Winter Meeting at Boston, 2006
Midwest Econometrics Group Annual Meeting at Carbondale, 2005
Canadian Econometrics Study Group Annual Meeting at Vancouver, 2005
Econometrics Society Winter Meeting at Philadelphia, 2005
Midwest Econometrics Group Annual Meeting at Chicago, 2004
Canadian Econometrics Study Group Annual Meeting at Toronto, 2004
European Economic Association Annual Meeting at Madrid, Spain, 2004
American Agricultural Economics Association Annual Meeting at Denver, Colorado, 2004
Econometrics Society Summer Meeting at Providence, Rhode Island, 2004
Canadian Economic Association Annual Meeting at Toronto, 2004

Midwest Econometrics Group Annual Meeting at Columbia, Missouri, 2003
Canadian Econometrics Study Group Annual Meeting at Hamilton, Ontario, 2003
American Economic Association Annual Meeting at Atlanta, Georgia, 2002

Seminars

2019: SMU, Korea University, Guelph University
2018: NC State
2015: Zhejiang University
2014: Fujian Agriculture and Forestry University
2013: Texas Census Data Research Center, Zhejiang University
2012: Xiamen University
2011: Xiamen University, Rice University
2010: American University
2009: UC-Riverside, West Virginia, SMU
2008: Indiana
2007: TAMU, UT–Austin LBJ School of Public Policy, University of Montreal
2006: Oklahoma State, SMU, TAMU
2005: UC–Davis, NC State, Maryland, Tulane
2004: TAMU, University of Toronto, Brock University
2003: UC–Berkeley, University of Guelph, Simon Fraser, University of Windsor

Referee Experience

NSF, USDA proposals

Various book publishers

Journals: *Agricultural and Resource Economics Review*, *American Journal of Agricultural Economics*, *Applied Stochastic Models in Business and Industry*, *Bernoulli*, *Canadian Journal of Agricultural Economics*, *Climatic Change*, *Communications in Statistics*, *Computational Statistics and Data Analysis*, *Economic Development and Cultural Change*, *Economics Letters*, *Econometric Reviews*, *Econometrics Journal*, *Empirical Economics*, *Entropy*, *European Journal of Operation Research*, *IEEE Transactions on Information Theory*, *International Economic Review*, *Journal of Agricultural and Applied Economics*, *Journal of Agricultural and Resource Economics*, *Journal of the Asian Pacific Economy*, *Journal of Business and Economic Statistics*, *Journal of Computational and Graphical Statistics*, *Journal of Econometric Methods*, *Journal of Econometrics*, *Journal of Financial Econometrics*, *Journal of Macroeconomics*, *Journal of Nonparametric Statistics*, *Journal of Productivity Analysis*, *Journal of Public Economics*, *Journal of the American Statistical Association*, *Journal of Testing and Evaluation*, *Mathematics and Financial Economics*, *Risk Magazine*, *STATA Journal*, *World Development*