

Xi Gu

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QUALIFICATIONS A Ph.D Candidate in Economics with a master's degree in Statistics. Several years of experience as graduate research assistant and teaching assistant. Areas of expertise include consumer demand analysis, applied econometrics, applied microeconomics, agricultural economics and statistics. Specialized in simulation, linear and non-linear models, multivariate time series, discrete models(Logit, Probit, Tobit), system equations and non-parametric estimation. And developed skills in machine learning. Strong programming in SAS, R, Stata, Python, MATLAB, GAUSS, SQL and Office.

EDUCATION **Ph.D.** in Economics, Washington State University (expected)December 2019
Fields: Consumer Demand, Applied Microeconomics, Applied Econometrics, Agricultural Economics
Dissertation: *“Three Essays on Hops Production, Beer Price Inputs, and Beer Demand”*
Advisor: Dr. Thomas L. Marsh

M.S. in Statistics, Washington State University October 2018
Project: *“Performance Comparison for Three Models with Ordinal Responses: OLS, Ordered Probit and Ordered Logit”*
Advisor: Dr. Nairanjana Dasgupta

M.S. in Economics (Finance), China Agricultural University July 2012
Advisor: Dr. Jianhua Tang

B.S. in Economics (Finance), China Agricultural University July 2010

RESEARCH INTERESTS Applied Microeconomics
Applied Econometrics
Consumer Demand
Agricultural Economics
Quantitative Methods

WORKING PAPERS Xi Gu and Thomas L. Marsh. *“Pesticide Substitution Under Maximum Residue Limits: Application to Hops Production”*.

Xi Gu, Thomas L. Marsh and T. Randall Fortenbery. *“Price Linkage and Volatility Spillover of Beer Inputs”*.

Xi Gu, Jillian Morrison and Nairanjana Dasgupta. *“Performance Comparison for Three Models with Ordinal Responses: OLS, Ordered Probit and Ordered Logit”*.

WORKS IN PROGRESS Xi Gu, Thomas L. Marsh and Jeffrey T. LaFrance. *“Beer Demand with Non-Negativity Constraint Using Simulated Maximum Likelihood Estimation”*.

Xi Gu and J. Shannon Neibergs. *“The Value of Genetic Selection in Reducing Economic Losses from Bovine Respiratory Disease Complex in Beef Cattle Feedlots”*.

PRESENTATIONS *“Pesticide Substitution under Maximum Residue Limits: Application to Hops Production”* with Thomas L. Marsh.
 Selected paper presented at 2017 AAEA Annual Meeting, Chicago, IL, July 30 - August 1.

“Price Linkage and Volatility Spillover of Beer Inputs” with Thomas L. Marsh and T. Randall Fortenbery.
 Contributed paper presented by T. Randall Fortenbery at 2019 AARES Annual Conference, Melbourne, Victoria, Australia, Feb 12-15.

RESEARCH & TEACHING EXPERIENCE

Graduate Research Assistant, Fall 2019
 School of Economics Sciences, Washington State University
 Dr. Thomas L. Marsh

Graduate Research Assistant, Fall 2016, Spring 2017, Fall 2017, Spring 2018, Fall 2018
 School of Economics Sciences, Washington State University
 Dr. Thomas L. Marsh

Graduate Research Assistant, Fall 2015, Spring 2016
 School of Economics Sciences, Washington State University
 Dr. J. Shannon Neibergs

Guest Lecturer, Econs 514 Econometrics IV, Spring 2019 (One Week)
 School of Economic Sciences, Washington State University

Teaching Assistant, Econs 514 Econometrics IV, Spring 2019
 School of Economic Sciences, Washington State University

Teaching Assistant, EconS 101 Fundamentals of Microeconomics, Fall 2014, Spring 2015
 School of Economic Sciences, Washington State University

AWARDS & SCHOLARSHIPS

Graduate Research Assistantship, Washington State University. 2014-present

First Prize of Challenge Cup: University Academic and Technologic Competition, China Agricultural University. Spring 2009

Second Prize of Challenge Cup: University Academic and Technologic Competition, Beijing. Spring 2009

PROFESSIONAL EXPERIENCE

Personal and Corporate Bank Teller, The Industrial and Commercial Bank of China (ICBC), Beijing. 2012-2013

SERVICE & OTHER EXPERIENCE

Volunteer, Coca-Cola Olympic Volunteers, Beijing. Summer 2008

Data Collector, Chinese Academy of Social Sciences, Henan. August 2011

Data Collector, Chinese Academy of Social Sciences, Liaoning. April 2010

SKILLS
&
Certificates

Computer: SAS, R, MATLAB, Stata, Python, GAUSS, L^AT_EX, Office
Languages: English (fluent), Mandarin Chinese (native)
Certificate: SAS(base), SAS(advance), Machine Learning(Coursera),
Time Series(Coursera), Python(Coursera)

REFERENCES

Dr. Thomas L. Marsh

(Committee Chair)
Distinguished Professor
School of Economic Sciences
Washington State University
Pullman, WA 99164
office: 509-335-8597
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Dr. Jill J. McCluskey

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Dr. T. Randall Fortenbery

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Dr. Nairanjana Dasgupta

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