

# MAX Z. SHANG

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Department of Food, Agricultural and Resource Economics, University of Guelph

## EDUCATION

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<b>University of Guelph</b> , Canada	2015
Ph.D., Food, Agricultural and Resource Economics (FARE)	
Dissertation: <a href="#">Nonparametric Density Estimation Methods with Application to the U.S. Crop Insurance Program</a>	
Supervisor: <a href="#">Alan P. Ker</a>	
<b>Northwest A&amp;F University</b> , China	2010
M.Sc., Agricultural Economics & Project Management	
<b>Northwest A&amp;F University</b> , China	2007
B.B.A., Business Administration (Top Undergraduate Thesis Award Winner)	

## EMPLOYMENT

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<b>Research Associate</b>	June 2016 -
<i>University of Guelph, Ridgetown Campus</i>	
<b>Graduate Research Assistant</b>	Sept 2010 - Jun 2016
<i>University of Guelph</i>	

## REFEREED JOURNAL ARTICLES

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- **Max Shang**, Alan Ker. (2020). Two generalized nonparametric methods for estimating like densities. *Computational Statistics*. Forthcoming
- Richard Vyn, **Max Shang**. (2020). Prices paid for farmland in Ontario: Does buyer type matter? *Canadian Journal of Agricultural Economics*. Forthcoming
- Ken McEwan, Lynn Marchand, **Max Shang**, Delia Bucknell. (2020). Potential implications of COVID19 on the Canadian pork industry. *Canadian Journal of Agricultural Economics*. <https://doi.org/10.1111/cjag.12236>
- Kong, R., M. Yi, and **Z. Shang**. 2011. Financing Preference of Rural Households: Survey Results from 897 Households. *Journal of Chongqing University (Social Science Edition)* 17 (6), 24–29.
- **Shang, Z.**, Y. Sun, and M. Yi. 2010. The EMERGY Theory of Value. *New Vision* 4: 93–97.
- Wang, J., **Z. Shang**, Z. Wang, and C. Liu. 2010. Comparative Advantage of Apple Industry in Northern and Middle Shaanxi in China: Evidence from EMERGY Analysis. *Journal of Forestry Economics* 3: 94-98.

- Wang, J., **Z. Shang**, Z. Wang, and C. Liu. 2009. The EMERGY Analysis of Field Crop: Evidence from Shaanxi. *Productivity Research* 13: 34-36.
- **Shang, Z.** and Y. Sun. 2008. Weak Domestic Demand, the Multiplier Effect and Fiscal Transfer Payment to Rural Regions. *Proceedings of the Second Social Science Alliance Annual Meeting in Shaanxi*.
- Liu, C., **Z. Shang**, Q. Lu, and Y. Wang. 2008. An Estimation of the Consumption Function of Rural Shaanxi. *Rural Economy (China)*. 24 (5): 62-65.
- Sun, Y. and **Z. Shang**. 2007. Driving Forces for Income in the Grain for Green Regions. *Proceedings of Chinese Association of Agro-Technical Economics*.

## CONFERENCES AND PRESENTATIONS

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- “Business Risk Management Programs And Farm-Level Investments: Evidence From Ontario Crop and Beef Farms”, Canadian Agricultural Economics Society (CAES) webinars (Annual conference cancelled due to COVID-19), online, July 9, 2020
- “Prices Paid for Farmland in Ontario: Does Buyer Type Matter?”, Presented by Richard Vyn, CAES Annual Meeting, Ottawa, July 9-12, 2019
- “Business Risk Management Programs and the Productivity of Ontario Crop Farms”, CAES Annual Meeting, Ottawa, July 9-12, 2019
- “Business Risk Management Programs and Farm-level Investments on Ontario Swine Farms”, CAES Annual Meeting, Ottawa, July 9-12, 2019
- Presented Web App to the board members of the [Ontario Sheep Marketing Agency](#), Guelph, Ontario, October 12, 2017
- Presented “The Boundary of the Farm: Homegrown versus Purchased Feed on Ontario Swine Farms”, [Canadian Agricultural Economics Society \(CAES\) Annual Meeting](#), Montreal, June 18-21, 2017
- [Seventh Annual Canadian Agri-Food Policy Conference](#), Ottawa, January 11-13, 2017

## GRANTS

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- Title: Analysis of Profitability and Government Programs on Ontario Greenhouse Vegetable Farms  
Lead Applicant: Ken McEwan  
Size: \$102,000  
Role: collaborator (data cleaning and analysis, report writing, paper manuscript preparation) Project - In Progress
- Title: Do Business Risk management Program Payments enhance producers’ productivity and investment in productivity enhancing activities?  
Lead Applicant: Getu Hailu  
Size: \$98,750  
Role: collaborator (data cleaning and analysis, report writing, paper manuscript

preparation)  
Status: In Progress

- Title: The Impact of Business Risk Management Programs on Swine Farm Investment Tendencies  
Lead Applicant: Ken McEwan  
Size: \$52,500  
Role: collaborator (research proposal writing, literature review, data analysis and empirical model)  
Status: In Progress
- Title: The Influence of Business Risk Management Programs on Farm Investment  
Lead Applicant: Richard Vyn  
Size: \$57,000  
Role: collaborator (data cleaning and analysis, report writing, paper manuscript preparation)  
Status: In Progress
- Title: Analysis of Variability within the Ontario Swine Sector  
Lead Applicant: Ken McEwan  
Size: \$65,000  
Role: collaborator (data clean and analysis, theoretical model development, paper manuscript preparation, research findings presentation at conferences)  
Status: Closed
- Title: Performance Benchmarking for Ontario Dairy Farms: Shaping the Future through Understanding the Present  
Lead Applicant: Getu Hailu  
Size: \$44,000  
Role: collaborator (design and implement App and website, programming)  
Status: In Progress

## **AWARDS AND RECOGNITION**

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- International Graduate Scholarship, University of Guelph 2010
- Northwest A&F University Scholarship 2010-2014
- Distinguished Conference Paper, Social Science Association of Shaanxi Province 2008
- Best Undergraduate Thesis Award (Top 3%) 2007

## **PROFESSIONAL ORGANIZATIONS AND AFFILIATIONS**

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- Canadian Agricultural Economics Society (CAES)
- Agricultural and Applied Economics Association (AAEA)
- International Association of Agricultural Economists (IAAE)

## **PROFESSIONAL SERVICE**

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- Reviewer, [30th International Conference of Agricultural Economists](#), Vancouver, British Columbia, Canada, July 28 - August 2, 2018

## APPS AND WEBSITES

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- Accessibility of Benchmark @ UofG Website March 2018  
<http://fare.uoguelph.ca/benchmark/home>  
 Developed the benchmark app. Edited the website to conform with accessibility standards. Designed new logo.
- Profit Forecast App for Ontario Sheep Farmers  
<http://maxshang.com/app/forecast/>  
 This app predicts lamb prices in Ontario for the next four weeks, calculates the possible cost and profit if lambs are sold in any of the next four weeks. It enables a more efficient decision making process for Ontario sheep farmers.
- Web App for Visualizing the Network of Scholars  
<https://github.com/MaxShang/ScholarNetwork>  
 This App visualizes the network of scholars based on data from Google Scholar.

## CERTIFICATIONS

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- Data Scientist with R (Datacamp.com Certificate [#75295](#))  
 Courses: Introduction to R | Intro to SQL for Data Science | Intermediate R | Joining Data in SQL | Introduction to the Tidyverse | Data Visualization with ggplot2 | Importing Data in R | Data Manipulation in R with dplyr | Joining data in R with dplyr | Cleaning Data in R | Importing Cleaning Data in R: Case Studies | Writing Functions in R | Working with Dates and Times in R | Introduction to Data | Exploratory Data Analysis | Exploratory Data Analysis in R: Case Study | Correlation and Regression | Cluster Analysis in R | Supervised Learning in R: Classification | Unsupervised Learning in R | Reporting with R Markdown
- R Programming by Johns Hopkins University on Coursera  
 Certificate (9CPQLCZEBPZB) earned May 2016
- The Data Scientist's Toolbox by Johns Hopkins University on Coursera  
 Certificate (YR34GFFV37TX) earned May 2016

## MISCELLANEOUS

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<b>Languages</b>	English, Chinese
<b>Computing Skills</b>	R (10 years experience), App Development with RStudio, $\text{\LaTeX}$ , Ubuntu