

## Leslie J. VERTERAMO CHIU

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### EDUCATION

**Ph.D.**, Dyson School of Applied Economics and Management, Cornell University, Ithaca, NY. Committee members: Calum Turvey (Chair), Miguel Gomez, William Schulze.

- Dissertation: *A Risk Analysis of Farmers in Mexico: Prices, Risk Rationing and Conflict.*

**M.Eng.**, Quality Systems and Productivity, ITESM, Mexico.

**B.A.**, International Business and Economics, Sophia University, Japan.

**Diploma**, International Trade and Customs Law, ITESM, Mexico.

### RESEARCH INTERESTS

Applied microeconomics, agricultural economics and finance, food systems, risk management, index protection, behavioral and experimental economics, market efficiency, bioeconomic analysis.

### PROFESSIONAL EXPERIENCE

#### *Entrepreneurial*

2022-Present: Cofounder of a donation platform for charities.

- Details upon request.

2016-Present: Cofounder, *Euddia (euddia.com)*

- Provide data consultancy and analysis services.
- Develop index protection products and a digital marketplace to agricultural insurers and reinsurers.

#### *Academic*

Fall 2023. *Visiting Lecturer.* Charles H. Dyson School of Applied Economics and Management, SC Johnson College of Business, Cornell University

Nov 2019-Present: *Research Associate*

#### **TATA-Cornell Institute for Agriculture and Nutrition**

Charles H. Dyson School of Applied Economics and Management  
SC Johnson College of Business, Cornell University

**Charles H. Dyson School of Applied Economics and Management**  
**SC Johnson College of Business, Cornell University**

Jan 2018-2019: *Research Associate*

**Section of Epidemiology, Department of Population Medicine**, College of Veterinary Medicine, Cornell University

May 2016 – Dec 2017: *Postdoctoral Research Associate*

**Section of Epidemiology, Department of Population Medicine**, College of Veterinary Medicine, Cornell University

Aug 2013 – May 2016: *Postdoctoral Research Associate*

**Department of Applied Economics and Management**, Cornell University.

Jan 2012 – Aug 2013: *Research Assistant*, Prof. Calum G. Turvey, Department of Applied Economics and Management, Cornell University.

Fall 2011: *Research Assistant*, Prof. Miguel I. Gomez, Department of Applied Economics and Management, Cornell University.

Fall 2007: *Research Assistant*, Prof. Todd Schmit, Department of Applied Economics and Management, Cornell University.

1999 – 2003: *Research Consultant*, Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Tampico, México.

## **AWARDS AND SCHOLARSHIPS**

*Editor's Choice March 2020*, *Preventive Veterinary Medicine*.

*Best Paper of 2017*, Applied Risk Analysis Section, Agricultural and Applied Economics Association.

Mario Einaudi Center for International Studies Research Travel Grant, Cornell University, 2012.

Scholarship: CONACYT (Mexican Government Full Scholarship for Doctoral Studies).

Scholarship: ITESM Full Scholarship, Master's degree.

Scholarship: Ministry of Education of Japan, Undergraduate Degree.

## **PEER REVIEWED PUBLICATIONS**

Leslie J. Verteramo Chiu, and Miguel I. Gomez, "A Tale of Two Strawberries: Conventional and Open-Field Production in California", *Sustainability*, **15(19):14363**, (2023).

Leslie J. Verteramo Chiu, Loren W. Tauer, Guillaume Lhermie, Karun Kaniyamattam, and Yrjo T. Grohn, "Benefits of Preconditioning Cattle under Stochastic Feedlot Performance", *Journal of Agricultural and Applied Economics*, **1-18**, (2022).

Verteramo Chiu, L. J., Tauer, L. W., and Gröhn, Y. T. "Pricing efficiency in livestock auction markets: A two-tier frontier approach", *Agricultural Economics*, **1-13**, (2022).

Mathew Abraham, Leslie Verteramo Chiu, Ekta Joshi, Ali Illahi, and Prabhu Pingali, “Aggregation Models and Small Farm Commercialization – A Scoping Review of the Global Literature”, *Food Policy*, **110**, 102299, (2022).

Jie Li, Leslie J. Verteramo Chiu, Miguel I. Gomez, Nelson Bills, “Strategies to Reduce Covid-19 Risk Perception among Grocery Shoppers in the US: a Survey Study”, *PloS One*, **16(8)**, e0256191, (2021).

Leslie J. Verteramo Chiu, Jie Li, Guillaume Lhermie, Casey Cazer, “Analysis of the Demand for Pet Insurance among Uninsured Pet Owners in the U.S.”, *Veterinary Record*, **e243**, (2021).

Leslie J. Verteramo Chiu, Loren W. Tauer, Rebecca L. Smith, and Yrjo T. Grohn, “Economic Effects of a Potential Foodborne Disease: Potential Relationship between Mycobacterium Avium Subs. Paratuberculosis (MAP) in Dairy and Crohn’s in Humans”, *International Journal on Food Systems Dynamics* **11(5)**, 482-502, (2020).

Guillaume Lhermie, Pierre Sauvage, Loren W. Tauer, Leslie Verteramo Chiu, Karun Kaniyamattam, Ahmed Ferchiou, Didier Raboisson, Harvey Morgan Scott, David R. Smith, and Yrjo T. Grohn, “Economic effects of policy options restricting antimicrobial use for high risk cattle placed in U.S. feedlots”, *PloS One* **15(9)**, (2020).

Leslie J. Verteramo Chiu, Loren W. Tauer, Yrjo T. Grohn, and Rebecca L. Smith, “Ranking of epidemiological control strategies with stochastic outcomes”, *Preventive Veterinary Medicine* **176:104906**, (2020).

Leslie J. Verteramo Chiu, Loren W. Tauer, Yrjo T. Grohn, and Rebecca L. Smith, “Mastitis risk effect on the economic consequences of paratuberculosis control in dairy cattle: a stochastic modeling study”, *PloS One* **14(9)**, (2019).

Guillaume Lhermie, Leslie Verteramo Chiu, Karun Kaniyamattam, Loren W. Tauer, Harvey Morgan Scott, and Yrjo T. Grohn, “Antimicrobial policies in beef production: choosing the right instruments to reduce antimicrobial use and resistance under structural and market constraints”, *Frontiers in Veterinary Science*, **6(245)**, (2019).

Leslie J. Verteramo Chiu, Loren W. Tauer, Karun Kaniyamattam, Rebecca L. Smith, and Yrjo T. Grohn, “Assessment of the Bovine Tuberculosis Eradication Protocol in the U.S.”, *Journal of Dairy Science*, **102(3)**, 2384-2400, (2019).

Leslie J. Verteramo Chiu, Loren W. Tauer, Mohammad A. Al-Mamun, Karun Kaniyamattam, Rebecca L. Smith, and Yrjo T. Grohn, “An Agent-Based Model Evaluation of Economic Control Strategies for Paratuberculosis in a Dairy Herd”, *Journal of Dairy Science*, **101(7)**, 6443-6454, (2018).

Leslie J. Verteramo Chiu, William G. Tomek “Insights from Anticipatory Prices”, *Journal of Agricultural Economics*, **69(2)**, 351-364, (2018).

Joshua Woodard, Leslie Verteramo Chiu “Efficiency Impacts of Utilizing Soil Data in the Pricing of the Federal Crop Insurance Program”, *American Journal of Agricultural Economics*, **99(3)**, 757-772, (2017).

Joshua D. Woodard, Leslie Verteramo Chiu, Gabriel Power, Dmitry Vedenov, Steven Klose and “Reoptimization or Bias? Factors Affecting Changes in Managerial Decisions”, *Agribusiness*, **33(3)**, 443-465, (2017).

Leslie J. Verteramo Chiu, Jura Liaukonyte, Miguel I. Gómez, and Harry M. Kaiser (2017) “Socially Responsible Products: What Motivates Consumers to Pay a Premium?”, *Applied Economics*, **49(19)**, 1833-1846, (2017).

Leslie J. Verteramo Chiu, Sivalai V. Khantachavana, Calum G. Turvey, (2014) “Risk Rationing and the Demand for Agricultural Credit: A Comparative Investigation of Mexico and China”, *Agricultural Finance Review*, **74(2)**, 248-270, (2014).

Leslie J. Verteramo Chiu, and Calum G. Turvey, “Cross Market Price Support and Agricultural Development: Quanto Options Valuation for Cash Grains in Mexico”, *Journal of Risk Finance*, **The, 15(1)**, 33-51, (2014).

Schmit, T. M., L. Verteramo, and W. G. Tomek, “Implications of Growing Biofuels Demands on Northeast Livestock Feed Costs”, *Agricultural and Resource Economics Review* **38(2)**, 200-212, (2009).

## **BOOK CHAPTERS**

Semei Coronado, Leslie J. Verteramo, Omar Rojas, Rafael Romero Meza, and Apostolos Serletis, “Crude Oil and Biofuel Agricultural Commodity Prices”, *Uncertainty, Expectations and Asset Price Dynamics: Essays in the Honor of Georges Prat*, Springer, 2018.

Leslie J. Verteramo Chiu and Calum G. Turvey, “Geometric Brownian Motion and Efficient Markets in Mexico”, *Nonlinear Time Series and Finance*, Universidad de Guadalajara, 2013.

## **WORKING PAPERS**

Gómez, M.I., Meemken, E. and Verteramo Chiu, L.J. 2020. *Agricultural value chains and social and environmental impacts: Trends, challenges, and policy options – Background paper for The State of Agricultural Commodity Markets (SOCO) 2020*. Rome. FAO.

Leslie J. Verteramo Chiu, and William G. Tomek, “Anticipatory Signals of Changes in Corn Demand”, *Cornell University, Dyson School of Applied Economics and Management Working Papers, WP2016-10, June 2016*.

Todd M. Schmit, Leslie Verteramo, and William G. Tomek, “Implications of Growing Biofuels Demands on Northeast Livestock Feed Costs”, *Cornell University, Department of Applied Economics and Management Working Papers, WP2007-10, August 2008*.

## WORK UNDER REVIEW

Leslie J. Verteramo Chiu, Miguel I. Gomez, Charles F. Nicholson, and Neil S. Mattson, “A Meta-Analysis of Environmental Impacts of Conventional and Controlled Environment Agriculture Supply Chains for Tomato, Lettuce, and Strawberry”, **Journal of Cleaner Production**.

Leslie J. Verteramo Chiu, Loren W. Tauer, Yrjo T. Grohn, “Optimal Contract Design under Various Efficiencies and Asymmetric Information to Incentivize Preconditioning Calves for Feedlots”, **Food Policy**.

## OTHER PUBLICATIONS

López-Pimentel, Juan Carlos, Omar Guillermo Rojas Altamirano, Miguel Alcaraz-Rivera, Guillermo Sosa-Gómez, Leslie Verteramo-Chiu. "Automating the avocado supply chain with blockchain and off-chain." **ILS 2020, International Conference on Information Systems, Logistics & Supply Chain**, Austin Texas, April 22-24, 2020.

Leslie J. Verteramo Chiu, “Human and animal risk implications of bovine tuberculosis in dairy herds”, **Progressive Dairyman**, June 11, 2020.

Leslie J. Verteramo Chiu, “Assessment of the bovine tuberculosis eradication protocol in the United States”, **Progressive Dairyman**, August 6, 2019.

Van Es, H.M., J.D. Woodard, M. Glos, **L.V. Chiu**, T. Dutta, and A. Ristow. 2016. **Digital Agriculture in New York State: Report and Recommendations**. Cornell University, Ithaca, NY.

**Food Quality and Safety**, “Products with Socially Responsible Labels Draw Premium Prices with Consumers”, January 22, 2016. <http://www.foodqualityandsafety.com/article/15244/>

## BLOGS

### *Tata-Cornell Institute*

<https://tci.cornell.edu/authors/leslie-verteramo-chiu/>

### *Economics that Really Matters*

<http://www.econthatmatters.com/byline/leslie-verteramo-chiu/>

## INVITED PRESENTATIONS

Leslie J. Verteramo, “Perspectives of Agricultural Value Chains”.

XXVI anniversary of CIIDR Sinaloa, Sinaloa, Mex. Jun. 21, 2023. **Invited Presenter**.

Second International Seminar on Agricultural Economics and Rural Development “Food Crisis and Global Supply Chains”, *Universidad Michoacana de San Nicolas de Hidalgo*, Morelia, Mic., México, Nov. 11, 2022. **Keynote Speaker**.

Leslie J. Verteramo, “Academic Research and Development Opportunities”, Interinstitutional Multidisciplinary Congress, *Tecnológico Nacional de México, Instituto Tecnológico Superior de Pánuco*, Pánuco, Ver., México, Dec. 16, 2020. **Keynote Speaker.**

Leslie J. Verteramo, “Expected Corn Supply and Futures Prices Relationship: Price Flexibility Estimation and Structural Changes in Demand”, *Seminar on Quantitative Finance*, *University of Guadalajara*, Mexico, Oct. 24, 2014. **Invited Presenter.**

Leslie J. Verteramo, “Mexican Firms Hedging Local Commodities Using USA Future Contracts and Foreign Exchange”, *XXIII Congreso Internacional de Administración de Empresas Agropecuarias*, *Universidad Autónoma de San Luis Potosí*. San Luis Potosí, SLP, México, May 27-29, 2010. **Keynote Speaker.**

## **WORKSHOPS/ PANEL PRESENTATIONS**

Panelist on “La nueva normalidad ante la pandemia” (The new normality amidst the pandemic), *IDEHLPO, Mexico*, June 25, 2020.

Workshop on introducing livestock index insurance in Armenia for the Ministry of Economy and Agriculture of Armenia. *Central Bank of Armenia, Yerevan, Armenia*, October 21, 2019.

Workshop on introducing weather index insurance for farmers in Tajikistan, for *Eskhata Bank, the Central Bank, and the Ministry of Agriculture of Tajikistan*. Khujand, March 5-6, and Dushanbe, Tajikistan, March 7, 2019.

Panelist on “The Economics of Tea, Tea High and Low: Elixir, Exploitation, and Ecology”, *Cornell University*, October 26-27, 2018.

Workshop Presenter at “Symposium and Workshop of the Principles and Dynamics Governing Transmission of Mycobacterial Infection”, *Wageningen University & Research (WUR), The Netherlands*, May 22nd - 24th, 2018.

## **RESEARCH IN PROGRESS**

“Experiences of Promoting Organizations of Farmer Producer Groups in India and Latin America”, (with Mathew Abraham, Prabhu Pingali, Department of Global Development, Cornell University)

“Substance use, academic intentions, and mental health among high school students in a Latino community”, (with Alex Rojas, Bogota High School Student)

“Optimal Feedlot Contract Design to Minimize Antimicrobial Use in the U.S.”, (with Loren W. Tauer, Department of Applied Economics and Management, Cornell University, and Yrjo T. Grohn, College of Veterinary Medicine, Cornell University)

“Carbon Footprint Comparison between Open Field and Greenhouse Production of Lettuce for NYC market”, (with Miguel I. Gomez, Charles Nicholson, and Neil Mattson,

Department of Applied Economics and Management, and Department of Plant Science, Cornell University)

“Factors Affecting Crop Acreage Response in the U.S.”, (with William G. Tomek, Department of Applied Economics and Management, Cornell University)

“Plateau Function in Agricultural Production”, (with Calum Turvey, Department of Applied Economics and Management, Cornell University).

“Perception and Action in a Conflict Zone: A Study of Rural Economy and Rural Life amidst Narcos in Eastern San Luis Potosi, Mexico”, (with Prof. Calum Turvey, Department of Applied Economics and Management, Cornell University).

“Survey of Small Holders Mexican Farmers in the Huasteca Region”, (with Prof. Calum Turvey, Department of Applied Economics and Management, Cornell University).

## **INSTRUCTION**

Fall 2023, AEM 4110/5111, Introduction to Econometrics, Cornell University

## **STUDENT SUPERVISION (Degree, Institution)**

Luca Rigotti (M.S., 2023, Cornell University)

Alex Rojas (Bogota High School, 2023, Bogota, NJ)

Jialiang Sun (M.S., 2022, Cornell University)

Samuel Porter (M.S., 2021, Cornell University)

## **REVIEWER**

Agricultural Finance Review, Agricultural and Resource Economics Review, American Journal of Agricultural Economics, Applied Economics, African Journal of Agricultural Research, California Journal of Health Promotion, Canadian Journal of Agricultural Economics, China Agricultural Economic Review, Economic Analysis and Policy, EconoQuantum, Journal of Agribusiness in Developing and Emerging Economies, Journal of the American Veterinary Medical Association, Journal of Dairy Science, Journal of Food Distribution Research, PloS One, Preventive Veterinary Medicine, Scientific Reports

## **PROFESSIONAL AFFILIATIONS**

Agricultural Economics Society

American Economic Association

Agricultural and Applied Economics Association

Agricultural Economics Society of Japan

## **SOFTWARE**

Stata, Matlab, R, Python, SQL, Net Logo, SimaPro

## LANGUAGES

Spanish (native), English (fluent), Japanese (good)

## CONFERENCES AND SEMINARS

*ICAS IX, Ninth International Conference on Agricultural Statistics*, Washington, DC, May 17-19, 2023.

*The New York Produce Show and Conference*, New York City, NY, December 1, 2022.

*AAEA Annual Meeting*, Chicago, IL, July 31-August 2, 2017. (2 presentations)

*Third Face-to-Face Meeting of the US-UK Collaboration Project: Mycobacterial Transmission Dynamics in Agricultural Systems: Integrating Phylogenetics, Epidemiology, Ecology, and Economics*, Glasgow-SCENE, Loch Lomond, Scotland, June 4-7, 2017.

*Agricultural Economics Society of Japan (AESJ) Annual Meeting*, Akita, Japan, March 29-30, 2016.

*AAEA Invited Paper Sessions, ASSA Annual Meeting*, San Francisco, CA, Jan. 3-5, 2016.

*2nd International Conference on Global Food Security* 11-14 October 2015, Cornell University, Ithaca, New York, USA.

*Agricultural & Applied Economics Association 2015 AAEA and WAEA Joint Annual Meeting*, San Francisco, CA, July 26-28, 2015. (3 presentations).

*IARFIC Fourth International Agricultural Risk, Finance, and Insurance Conference*, Washington, D.C., June 7-9, 2015.

*NCCC-134 Applied Commodity Price Analysis, Forecasting and Market Risk Management*, St. Louis, MO, Apr. 20-21, 2015.

*Society for Risk Analysis Annual Meeting 2014*, Denver, CO, Dec. 7-10, 2014. (2 presentations).

*Nanjing Agricultural University* Nanjing, China. Oct. 18, 2014. Awarded the best section paper.

*Department of Applied Economics and Management, Cornell University*, Oct. 6, 2014.

*Agricultural & Applied Economics Association 2014 Annual Meeting*, Minneapolis, MN, Jul. 27-29, 2014. (2 presentations).

*Department of Applied Economics and Management, Cornell University*, Dec. 4, 2013.

*Department of Psychology, University of Connecticut*, Nov. 8, 2013.

*Agricultural & Applied Economics Association 2013 AAEA, CAES, Joint Annual Meeting*, Washington, D.C., Aug. 4-6, 2013.

*Department of Applied Economics and Management, Cornell University*, May 10, 2013.

*Department of Applied Economics and Management, Cornell University*, Apr. 18, 2013.

*Department of Industrial and Labor Relations. Cornell University*, May 7, 2012.

*Agricultural & Applied Economics Association 2010 AAEA, CAES, & WAEA Joint Annual Meeting*, Denver, Colorado, Jul. 25-27, 2010.

*NCCC-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management*. St. Louis, MO, Apr. 21-22, 2008.

*Annual Meeting of the Northeastern Agricultural and Resource Economics Association*, Rehoboth Beach, DE, Jun. 10-13, 2007.

*Congreso Internacional de Emprendedores y Exportadores, Instituto Tecnológico y de Estudios Superiores de Monterrey*, Tampico, Tam., México, Jul., 2000.

## REFERENCES

### **Miguel I. Gómez**

Robert G. Tobin Professor of Food Marketing  
Director, Cornell Food Industry Management Program  
Charles H. Dyson School of Applied Economics and Management  
Cornell University  
mig7@cornell.edu

### **Calum G. Turvey**

W.I. Myers Professor of Agricultural Finance  
Director, MS Program for the Charles H. Dyson School of Applied Economics and Management  
Cornell University  
cgt6@cornell.edu

### **Loren W. Tauer**

Professor Emeritus  
Charles H. Dyson School of Applied Economics and Management  
Cornell University  
lwt1@cornell.edu

### **Prabhu Pingali**

Professor and Director of the TATA-Cornell Institute for Agriculture and Nutrition  
Department of Global Development  
Cornell University  
plp39@cornell.edu

### **Yrjo T. Grohn**

James Law Professor of Epidemiology  
Department of Population Medicine and Diagnostic Sciences  
Cornell University  
ytg1@cornell.edu

### **William G. Tomek**

Professor Emeritus  
Charles H. Dyson School of Applied Economics and Management  
Cornell University  
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