

Oscar S. Sarasty

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Languages: Spanish (native language), English (fluent)

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RESEARCH INTERESTS

Consumer Demand and Marketing, Food Policy, and Agribusiness.

EDUCATION

Ph.D. candidate in Agricultural and Applied Economics 2024

Texas Tech University

Advisor: Modhurima Dey Amin, Ph.D.

Dissertation: “Essays in food policy and agricultural labor in the United States.”

M.S. in Agricultural and Applied Economics 2020

Texas Tech University

Advisor: Carlos Enrique Carpio, Ph.D.

Thesis: “Effect of the traffic-light system for nutritional labeling in processed food products”

B.S. in Food Engineering 2017

Universidad de las Américas, Ecuador

EMPLOYMENT HISTORY

Graduate Lead Instructor 2022-2024

Texas Tech University, Lubbock, TX

Graduate Research Assistant 2019-2024

Texas Tech University, Lubbock, TX

Field Manager 2012-2018

Agricola SARMI, Quito, Ecuador

Financial Analyst 2016-2018

Expopetroil Cia. Ltda., Quito, Ecuador

Student Research Assistant 2016-2017

Universidad de las Américas, Quito, Ecuador

PUBLICATIONS

Sarasty, O., and Amin, M. (2023). Consumer Valuation of Thanksgiving Items and the Role of Organic Certifications. *Journal of Agricultural and Applied Economics*, 55(4), 670-695

Cabrera, T., Carpio, C., **Sarasty, O.**, Watson, S., and Gonzales, S. (2023). Traffic-light Nutrition Labeling Preferences among Ecuadorian Children. *Agricultural and Food Economics*, 11(41).

Sumrow, S., Hudson, D., **Sarasty, O.**, Carpio, C., and Bratcher, C. (2023). Consumer preferences for worker and supply chain risk mitigation in the beef supply chain in response to COVID-19 pandemic. *Agribusiness*, 1-17

Sarasty, O., Carpio, C., and Cabrera, T. (2023). Effect of the traffic-light system on nutrition labeling in processed food products in the Ecuadorian population. *QOpen*, 3(2), qoad018.

Blandon, S., Vargas, D., Casas, D., **Sarasty, O.**, Woerner, D., Echeverry, A., Miller, M., Carpio, C., Sanchez-Plata, M., and Legako, J. F. (2023). Efficacy of Common Antimicrobial Interventions at and above Regulatory Allowable Pick-Up Levels on Pathogen Reduction. *Foods*, 12(4), 883.

Vargas, D., Blandon, S., **Sarasty, O.**, Osorio-Doblado, A., Miller, M., and Echeverry, A. (2022). Shelf-Life Evaluation of Pork Loins as Influenced by the Application of Different Antimicrobial Interventions. *Foods*, 11(21), 3464.

Cabrera, T., Palacios, K., Carpio, C., **Sarasty, O.**, Gonzáles, M., Benitez, P., Azuero, K., and Carrión, P. (2022). Etiquetado nutricional tipo semáforo: conocimiento, uso y preferencias en los adolescentes ecuatorianos: Etiquetado nutricional tipo semáforo en Ecuador. *Revista Española de Nutrición Humana y Dietética*, 26.

Carpio, C., Coman, I., **Sarasty, O.**, and Garcia, M. (2021). COVID-19 Vaccine Demand and Financial Incentives. *Applied Health Economics and Health Policy*, 19(6), 871-883.

Carpio, C., **Sarasty, O.**, Hudson, D., Macharia, A., and Shibia, M. (2021). The demand for a COVID-19 vaccine in Kenya. *Human Vaccines and Immunotherapeutics*, 17(10), 3463-3471.

Boonsaeng, T., Carpio, C., Guerrero, P., **Sarasty, O.**, Borja, I., Hudson, D., Macharia, A., and Shibia, M. (2021). Perceived risks of infection, hospitalization, and death from COVID-19 at the Equator: Ecuador and Kenya. *Disaster Medicine and Public Health Preparedness*, 1-6.

Sarasty, O., Carpio, C., Hudson, D., Guerrero-Ochoa, P., and Borja, I. (2020). The demand for a COVID-19 vaccine in Ecuador. *Vaccine*, 38(51), 8090-8098.

Tamayo, E., **Sarasty, O.**, and Mosquera, E. (2017). Aprovechamiento de residuos ligno-celulósicos en la elaboración de empaques secundarios ecológicos. *Industrial data*, 20(2), 37-42.

REPORTS

Carpio, C., Hudson, D., **Sarasty, O.**, Borja, I., Carrion. C., and Guerrero, P. Survey Report: Public knowledge, perceptions responses and effects related to the COVID-19 health emergency: The Case of Ecuador.

Carpio, C., Hudson, D., **Sarasty, O.**, and Macharia, A. Survey Report: Public knowledge, perceptions responses and effects related to the COVID-19 health emergency: The Case of Kenya.

CURRENT PROJECTS AND MANUSCRIPTS UNDER REVIEW

Sarasty, O., Amin, M. and Badruddoza, S. Comparing Great Recession and COVID-19 using recurrent neural networks: A close look into agricultural commodity prices (Accepted: Special Issue on '*Machine Learning, Big Data and Applications in Applied Economics*' in *Applied Economic Perspectives and Policy*).

Working Papers

Sarasty, O., and Amin, M. Understanding High Fructose Corn Syrup: Consumers Consumption, Perceptions, and Labeling Preferences (Final stage for submission).

Sarasty, O., and Amin, M. Dissecting the effects of COVID-19 containment measures on the United States agricultural and labor markets (Final stage for submission).

Sarasty, O., and Amin, M. Food security as a predictor of internal migration in the United States.

Sarasty, O., Amin, M., and Badruddoza, S. Effect of non-income variables in the consumption of fresh fruits and vegetables in the United States population

Sarasty, O., Amin, M., and Badruddoza, S. Mexican consumers' willingness to pay for pet food with Texas sorghum.

Duran, C., **Sarasty, O.**, Lamino Jaramillo, P., and Boren-Alpízar, A. Closing the gap between coffee and cocoa producers and consumers in Latin America: How much consumers are willing to pay?

Duran, C., **Sarasty, O.**, Lamino Jaramillo, P., and Boren-Alpízar, A. What are the attributes that actually catch your eye? A choice experiment to understand Latin America Coffee & Cacao Consumers' Preferences.

Carpio, C., **Sarasty, O.**, Mamani, B. Taxes, Nutritional Labels, and Sugar Consumption in Latin America.

CONFERENCE PRESENTATIONS

Sarasty, O., and Amin, M. Food Insecurity as a Predictor of Internal Migration in the United States. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. Atlanta, GA, February 3-6, 2024.

Johnson, T., Kang, Q., **Sarasty, O.**, Carpio, C., Hudson, D., and McCallister, D. Everything's brewed in Texas? Consumer willingness to pay for Texas-Brewed Beer. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. Atlanta, GA, February 3-6, 2024. *

Kang, Q., Johnson, T., **Sarasty, O.**, Carpio, C., Hudson, D., and McCallister, D. Does Product Presentation Affect Consumers' Willingness to Pay? Evidence from Choice Experiments. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. Atlanta, GA, February 3-6, 2024. *

Duran, C., **Sarasty, O.**, Lamino Jaramillo, P., and Boren-Alpizar, A. What are the attributes that actually catch your eye? A choice experiment to understand Latin America coffee & Cocoa consumers' preferences. Lightning session *Annual Meetings of the Agricultural and Applied Economics Association*. Washington D.C., July 23-25, 2023. *

Sarasty, O., Amin, M., and Badruddoza, S. Assessing the market for sorghum as pet food in Mexico. Selected Paper Presentations Session of *Western Education and Research Activities Committee on Agribusiness (Western Education and Research Activities Committee on Agribusiness (WERA-72))*. Logan, UT, June 6-7, 2023.

Sarasty, O., Amin, M., and Badruddoza, S. Effect of non-income variables in the consumption of fresh fruits and vegetables in the United States population. Paper Presentation *Tufts Nutrition Data Symposium*. Boston, MA, March 8-10, 2023.

Duran, C., **Sarasty, O.**, Lamino Jaramillo, P., and Boren-Alpizar, A. What are the attributes that actually catch your eye? A choice experiment to understand Latin America Coffee Consumers' Preferences. Paper Presentation *Association of International Agricultural and Extension Education Annual Conference*. Guelph, Canada, April 26-29, 2023. *

Duran, C., **Sarasty, O.**, Lamino Jaramillo, P., and Boren-Alpizar, A. Closing the gap between coffee producers and consumers in Latin America: How much consumers are willing to pay? Paper Presentation *Association of International Agricultural and Extension Education Annual Conference*. Guelph, Canada, April 26-29, 2023. *

Sarasty, O., Amin, M., and Badruddoza, S. Impact of the Great Recession and the COVID-19 Recession on agricultural commodities price volatility. Selected Paper Presentation *Annual Meetings of the Agricultural and Applied Economics*. Anaheim, CA, July 31-August 2, 2022.

Sarasty, O., and Amin, M. What do Americans think about high fructose corn syrup. Poster Presentation *Annual Meetings of the Agricultural and Applied Economics*. Anaheim, CA, July 31-August 2, 2022.

Cabrera, T., **Sarasty, O.**, Watson, S., Gonzalez, M., and Carpio, C. Traffic-light Nutrition Labeling Preferences among Ecuadorian Children. Lightning Session *Annual Meetings of the Agricultural and Applied Economics*. Anaheim, CA, July 31-August 2, 2022. *

Sarasty, O. and Amin, M. Consumers' health and environmental awareness and preferences: The case of high fructose corn syrup. Paper Presentation *Royal Economic Society Symposium of Junior Researchers*. Online, June 29-30, 2022.

Sumrow, S., Hudson, D., Carpio, C., and **Sarasty, O.** Consume Beef Preferences and Risk Mitigation in the Beef Supply Chain in Response to COVID-19 Pandemic: A Willingness to Pay Study. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. New Orleans, LA, February 12-15, 2022. *

Sarasty, O., and Amin, M. Consumers demand for certified organic products: the case of Thanksgiving basket. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. New Orleans, LA, February 12-15, 2022.

Sarasty, O., Carpio, C., Hudson, D., Machara, A., Shibia, M., Guerrero-Ochoa, P., and Borja, I. Willingness to Pay for a hypothetical COVID-19 vaccine in the Equator: The case of Ecuador and Kenya. Poster Presentation *Annual Meetings of the Southern Agricultural Economics Association*. Online, February 6-9, 2021.

Cabrera, T., **Sarasty, O.**, Boonsaeng, T., and Carpio, C. Asociación entre el uso del etiquetado nutricional tipo semáforo y enfermedades crónicas en la población adulta ecuatoriana. *Congreso Internacional de Seguridad Alimentaria y Nutricional*. Cuenca, Ecuador, November 9-13, 2020. *

Sarasty, O., Carpio C., and Cabrera, T. Effect of the Traffic-Light System for Nutritional Labeling in Processed Food Products in the Ecuadorian Population. Poster Presentation *Annual Meetings of the Agricultural and Applied Economics*. Online, August 10-12, 2020.

Sarasty, O., Carpio, C., Boonsaeng, T., and Sanchez-Pinol, D. Welfare and Budget Allocation Impacts of Elimination of Fossil Fuel Subsidies: The Case of Ecuador. Selected Paper Presentation *Annual Meetings of the Southern Agricultural Economics Association*. Louisville, KY, February 1-4, 2020.

* Presentation by a co-author

GRANTS AND FUNDING

Grants

Consumers' health and environmental awareness and preferences: The case high fructose corn syrup, 2021-2022, \$768.00 (Awarded).

Texas Tech University

Role: Lead Researcher

Non-income insights into fresh fruit and vegetable consumption using Artificial Intelligence models, 2022-2023, \$104,000 (Not awarded).

Healthy Eating Research

Role: Researcher

TEACHING EXPERIENCE

At Texas Tech University

Instructor

AAEC-2401 Agribusiness Marketing (Face to Face, 65 students, 4.6/5)	Spring 2024
AAEC-2301 Agricultural Statistics (Face to Face, 63 students, 4.6/5)	Spring 2024
AAEC-2401 Agribusiness Marketing (Face to Face, 48 students, 4.6/5)	Fall 2023
AAEC-2401 Agricultural Statistics (Face to Face, 35 students, 4.6/5)	Fall 2023
AAEC-3301 Agribusiness Marketing (Face to Face, 66 students, 4.7/5)	Spring 2023
AAEC-3301 Agribusiness Marketing (Face to Face, 46 students, 4.7/5)	Fall 2022

Teaching Assistant

AAEC-3316 Applied Risk Analysis and Management (Face to Face)	Fall 2023
AAEC-4302 Statistical Methods in Agricultural Research (Online)	Summer 2023
AAEC-2405 Agricultural Statistics (Face to Face)	Fall 2022
AAEC-3302 Agribusiness Finance (Hybrid)	Spring 2022
AAEC-3302 Agribusiness Finance (Hybrid)	Fall 2021

AAEC-3302 Agribusiness Finance (Hybrid)
AAEC-3302 Agribusiness Finance (Hybrid)

Spring 2021
Fall 2020

Workshop Instructor

Survey and Experimental Design and Analysis Workshop
Department of Agricultural and Applied Economics, Texas Tech University, 2023

Introduction to Statistics for Scientific Research (Seminar in Spanish)
Universidad de El Salvador, 2021

Guest Lecturer

Econometrics and Dynamic Models
Topic: Linear Regression and Descriptive Statistics Using R (Lecture in Spanish)
Universidad de El Salvador, 2020

Guest Seminar

Legal and Socioeconomic Proposals in the Pandemic: What to do, how to proceed? (Seminar in Spanish)
ConectaLaw, 2020

LEADERSHIP AND SERVICES

Engagement Activities

Mexico Sorghum Project

- Attended 2023 Checkoff, Houston, TX, and Travel to Mexico DF, Puebla and Queretaro to conduct interviews to Mexican animal feed and pet food producers regarding their perspectives and preferences for sorghum.

Service

TEACH Program
Texas Tech University, 2023-2024 cohort

Undergraduate Research Conference, Judge
Texas Tech University, Spring 2023

Virtual poster Competition, Judge
Texas Tech University, Spring 2021

Bob Albin Undergraduate Poster Competition, Judge
Department of Animal and Food Sciences, Texas Tech University, Spring 2019

Agricultural Economics Graduate Student Association, President
Texas Tech University, Fall 2020-Summer 2021

Agricultural Economics Graduate Student Association, Vice President
Texas Tech University, Fall 2019-Summer 2020

Agricultural Economics Graduate Student Association, Secretary
Texas Tech University, Fall 2018-Summer 2019

Manuscript Review

Social Science & Medicine, Agribusiness, Journal of Agricultural and Applied Economics, Urban Planning, Applied Economics, South African Journal of Economics.

SCHOLARSHIPS AND AWARDS

Davis College Outstanding Graduate Student Award, Texas Tech University, 2024.

Third Place, Local Food Economics Data Visualization Virtual Challenge 2023

USDA Agricultural Marketing Service and Agricultural and Applied Economics Association
Graduate Student Section

Doctoral Excellence Research Assistant Scholarship

Texas Tech University, Academic Year 2022-2023

Financial aid for Data Analysis with Python

Coursera, Fall 2022

Financial aid for Machine Learning for Data Analysis

Coursera, Summer 2022

Doctoral Excellence Research Assistant Scholarship

Texas Tech University, Academic Year 2021-2022

Institutional Diversity Scholarship

Texas Tech University, Fall 2021

Doctoral Excellence Research Assistant Scholarship

Texas Tech University, Academic Year 2020-2021

I.S.E.O. Summer Scholarship

Istituto di Studi Economici e Per L' Occupazione, Summer 2021

Third Place, Sales & Customer Relationship Strategy Competition

Rawls College of Business Administration, Spring 2019

Erin Wheeler Cook Memorial Scholarship

Texas Tech University, Academic Year 2019-2020

Bayer Crop Science Fellowship

Texas Tech University, Academic Year 2018-2019

SKILLS

Software

Stata, SAS, R, Python, MATLAB, Qualtrics, and Tableau

Research

Survey Design, Data collection, Data Science, Applied Econometrics.

CERTIFICATES

Foundational Writing Skills Seminar

Texas Tech University, Spring 2023

Data Analysis with Python

IBM, Coursera, 2022

Machine Learning for Data Analysis
Wesleyan University, Coursera, 2022

I.S.E.O. Summer School
Istituto di Studi Economici e Per L' Occupazione, 2021

Structured Query Language using SAS
SAS, Coursera, 2021

SQL for Data Science
University of California Davis, Coursera, 2021

Practical Time Series Analysis
The State University of New York, Coursera, 2021

Graduate Research Strategies Initiative
Texas Tech University Libraries, 2020

MEMBERSHIP

Agricultural Economics Graduate Student Association at Texas Tech University, Agricultural & Applied Economics Association, Southern Agricultural Economics Association.

REFERENCES

Dr. Modhurima Dey Amin (PhD Advisor)
Assistant Professor
Department of Agricultural and Applied Economics, Texas Tech University
Email: Modhurima.Amin@ttu.edu

Dr. Carlos Carpio
Professor
Department of Agricultural and Applied Economics, Texas Tech University
Email: Carlos.Carpio@ttu.edu

Dr. Darren Hudson
Professor and Agricultural Competitiveness Chair
Department of Agricultural and Applied Economics, Texas Tech University
Email: Darren.Hudson@ttu.edu

Dr. Syed Badruddoza
Assistant Professor
Department of Agricultural and Applied Economics, Texas Tech University
Email: Syed.Badruddoza@ttu.edu