Alexander J. Kappes

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Education

Ph.D., Economics, (expected) May 2021, Washington State University.
Fields: Agricultural Economics, Econometrics.
Dissertation: *insert dissertation title here* .
Co-advisors: Dr. Thomas L. Marsh, Dr. J. Shannon Neibergs

M.S., Statistics, (expected) May 2021, Washington State University.
Master's Research Project: *Bayesian Modeling Techniques for Ordinal Longitudinal Data.*
Advisor: Dr. Nairanjana Dasgupta

M.S., Economics, December 2017, Washington State University.
Master's Research Project: *An Evaluation of Alfalfa Price-Quality Relationships for Making Informed Production and Marketing Decisions.*
Advisor: Dr. J. Shannon Neibergs

B.A., Business Administration - Economics and Finance, May 2016, Saint Martin's University. Summa Cum laude.

Research Interests

Livestock Health and Production, Global Health and Development, Technology Adoption and Innovation for Sustainable Agriculture, Natural Resource and Environmental Economics, Applied Statistical Learning

Publications

Kappes, Alex J., Neibergs, J. Shannon. *Washington State Livestock Identification: Changes to Current Laws and the Future of Traceability.* Washington Agribusiness Status and Outlook. January 2020.

Work Under Review

Kappes, Alex J., Marsh, Thomas L. *Livestock Health Effects on Cost of Nutrient Consumption in Western Kenya.* Frontiers in Veterinary Sciences.

Working Papers

Kappes, Alex J., Marsh, Thomas L. *Technical Efficiency of Food Intake Frequency on Childhood Stunting in Western Kenya.*

Kappes, Alex J., Marsh, Thomas L. *Western Kenyan Household Macronutrient Demand.*

Kappes, Alex J., Neibergs, J. Shannon. *Using Genetic Marker Selection to Reduce Asymmetric Information in the U.S. Beef Supply Chain.*

Kappes, Alex J., Neibergs, J. Shannon. *Surveillance of Feedlot Bovine Respiratory Disease with Genetic Marker Selection Implications.*

Kappes, Alex J. *Expectation-Maximization Extension to Bayesian Regression Tree Treatment Effect Estimation.*

Work In Progress

Kappes, Alex J., Neibergs, J. Shannon. *Producer Benefits of Dairy Nutrient Waste Recycling Technology Adoption.* Web application development. *https://github.com/AJKappes/NWR_app*

Research Experience

Graduate Research Assistant - Agricultural Economics
Fall 2016 to present.
School of Economic Sciences, Washington State University.
Dr. J. Shannon Neibergs

Graduate Research Assistant - Global Health and Development
Fall 2017 to present.
School of Economic Sciences, Washington State University.
Dr. Thomas L. Marsh

Teaching Experience

Data Carpentry Workshop Intro to R and Starting with Data in R Instructor. Washington State University, 10 October 2019. *https://datacarpentry.org*

Instructor, EconS 101 Fundamentals of Microeconomics. Summer 2019. School of Economic Sciences, Washington State University.

Software Carpentry Workshop Git Instructor. Washington State University, 8-9 April 2019. *https://software-carpentry.org*

Presentations

Using Genetic Marker Selection to Reduce Asymmetric Information in the U.S. Beef Supply Chain. 2019 ISESSAH Annual Meeting. Atlanta, GA. Selected Presentation.

Technical Efficiency of Food Intake Frequency on Childhood Stunting in Western Kenya. 2019 AAEA Annual Meeting. Atlanta, GA. Selected presentation.

Livestock Health Effects on Cost of Nutrient Consumption in Western Kenya. 2019 ISESSAH Annual Meeting. Atlanta, GA. Poster.

Using Genetic Marker Selection to Reduce Asymmetric Information in the U.S. Beef Supply Chain. University of Idaho Agricultural Economics and Rural Sociology, April 2019. Seminar series.

An Evaluation of Alfalfa Price-Quality Relationships for Making Informed Production and Marketing Decisions. 2017 WAEA/WEC Annual Meeting. Lake Tahoe, NV. Selected presentation.

Professional Service

Planning Committee member - Extenstion Risk Management Education National Conference. Denver, CO. 1-2 April 2020.

Software Carpentry Workshop R and Python Helper. Washington State University. 8-9 April 2019. *https://software-carpentry.org*

Edited Arredondo-Espinola, A., Munõz-Garcia, F., *Intermediate Microeconomic Theory: Tools and Step-by-Step Examples*, Chapter 16 Contract Theory and Chapter 17 Externalities and Public Goods (content, problems, and solutions), MIT Press, 2019.

Professional Affiliations

Agricultural and Applied Economics Association (AAEA), Western Agricultural Economics Association (WAEA). International Society for Economics and Social Sciences of Animal Health (ISESSAH)

Skills

Technical: Python, R, LaTeX
Econometric/data science: Maximum likelihood to generalized method of moments and generalized linear model estimation, Bayesian modeling, classification and clustering, linear programming, panel data analysis

References

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