

# Daye (Daniela) Kwon

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## Education

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<b>Ph.D. in Agricultural, Food, and Resource Economics</b>	(Expected) Spring 2023
Michigan State University (MSU), East Lansing, Michigan - Committee: Dr. Nicole Mason-Wardell (Chair), Dr. Saweda Liverpool-Tasie, Dr. Thomas Reardon, Dr. Melinda Smale	
<b>M.A. in Economics</b>	May 2018
University of Missouri (MU), Columbia, Missouri	
<b>Master course completed in Economics</b>	July 2016
SungKyunKwan University (SKKU), Seoul, South Korea	
<b>B.A. in Economics</b>	August 2014
SungKyunKwan University (SKKU), Seoul, South Korea	

## Research Interest

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Development Economics, Applied Microeconomics, Food Security, Agri-food Value Chains

## Research in Progress

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"How do Input Subsidy Programs affect Smallholder Households' Dietary Diversity? Evidence from Zambia" (*with R.J. Myers and N.M. Mason*)

I examine the impact of input subsidies on smallholder farm households' production diversification, market sales from own production, and dietary diversity. I unpack and explore two main pathways for how Zambia's Farmer Input Support Programme (FISP) may influence household dietary diversity: (i) diversifying production for own consumption; and (ii) marketing agricultural surplus to earn cash income. I use two waves of nationally representative household panel survey (Rural Agricultural Livelihood Survey, RALS) and apply fixed effects instrumental variable regression to address farmers' endogenous selection into FISP. I find that receiving subsidized fertilizer through FISP improves own-farm production diversity. However, such positive association is not shown nationwide but is driven by a region that has favorable agro-ecological conditions for crop production. On the other hand, I find no evidence that subsidized fertilizer adds to the value of sales from own agricultural production. Overall, FISP fertilizer is found to have a negative association with household dietary diversity. This may be due to weak or even negative connection between production diversity and consumption diversity in rural Zambia.

"Market Channel and Heterogeneous Storage Behavior to Multiple Shocks: The Case of Nigerian Maize Traders" (*with S. Liverpool-Tasie and T. Reardon*)

The impact of multiple shocks – climate, spoilage, and conflict shocks – on maize traders' storage behaviors is explored. I use a unique Nigerian maize trader survey and extend a triple-hurdle model to allow an initial stage of traders' market channel choice. Different types of market channels are likely to have different standards on the quality of maize they buy, hence maize traders may adjust their storage behaviors according to their market channel choice. I compare to what extent each shock affects traders' maize storage decision and damage control decisions on stored maize and how the extent varies by traders' market channel choice between modern and traditional customers. I find that market channel choice plays an important role in shaping traders' storage behaviors. Traders selling to modern customers such as industrial food and feed mills are differently affected by climate-, spoilage-, and conflict-induced shocks from traders selling to more traditional customers.

"Risk and Sourcing Diversification of Nigerian Maize Traders" (*with S. Liverpool-Tasie and T. Reardon*)

I explore the relationship between climate- and conflict-induced risks and traders' supplier diversification decision exploiting a unique Nigerian maize trader survey. Supply uncertainty is a major source of risk in maize supply chains and can be caused by various factors such as disruption in maize production or transportation system and inconsistent quality of maize. For traders, diversifying suppliers or using multiple channels of sourcing is a way to mitigate the effects of risks and uncertainties in supply. I distinguish between (i) risks disrupting the production of maize and (ii) risks affecting the transaction costs in sourcing and marketing maize and examine how such risks differently affect traders' supplier portfolio choice.

## Other Work

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**Kwon, D.,** R.J. Myers, N.M. Mason, and P. Samboko. 2019. "Can Maize Price Stabilization Reduce Malnutrition and Save Lives? The Case of the Zambia Food Reserve Agency" Policy Research Brief 107, Feed the Future Innovation Lab for Food Security Policy (FSP), Michigan State University.

**Kwon, D.,** and Y.H. Kim. 2015. "Welfare effects of foreign aids policy coordination among asymmetric donor countries." *Procedia Economics and Finance*, 30, pp.455-467.

## Professional Experience

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### Graduate Research Assistant

Dept. of Agricultural, Food, and Resource Economics, MSU Fall 2018 - Present

- Conducted model simulation, data cleaning and empirical analysis, and systematic literature review

- Drafted papers and a policy brief

Dept. of Economics, SKKU Fall 2014 - Spring 2016

- Conducted model simulation, drafting papers and reports, and organizing department workshops

### Quality Controller

Indaba Agricultural Policy Research Institute (IAPRI), Lusaka, Zambia May - July 2019

- Assisted in survey questionnaire review, enumerator training and examination, and data collection in Central and Lusaka Province during the 2019 Rural Agricultural Livelihoods Survey (RALS)

### Graduate Teaching Assistant

Principles of Microeconomics, Dept. of Economics, MU Fall 2016 - Spring 2018

- Held office hours, reviewed exams, and graded exams and assignments

International Trade, Dept. of Economics, SKKU Fall 2014

- Held office hours, led discussion sessions, and graded exams and assignments

### Graduate Grading Assistant

Decision-making in the Agri-Food System, Dept. of Agricultural, Food, and Resource Economics, MSU Spring 2022

- Graded exams and assignments

## Selected Presentations

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"How do Input Subsidy Programs affect Smallholder Households' Dietary Diversity? Evidence from Zambia", 2022 AAEA Annual Meeting, Anaheim, CA, August 2022

"How do Input Subsidy Programs affect Smallholder Households' Dietary Diversity? Evidence from Zambia", Graduate Research Symposium, MSU, East Lansing, MI, March 2022

"Welfare Effects of Foreign Aid Policy Coordination among Asymmetric Donor Countries", Economics and Finance Conference, International Institute of Social and Economic Sciences, Rome, Italy, April 2015

## Awards and Fellowships

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Graduate Research Assistantship, Dept. of Agricultural, Food, and Resource Economics, MSU Fall 2018 - Present

Graduate Teaching Assistantship, Dept. of Economics, MU Fall 2016 - Spring 2018

Outstanding Student Representative Scholarship, Dept. of Economics, SKKU Fall 2013, Spring 2014

Dean's List, Dept. of Economics, SKKU Fall 2013

National Grant, Korea Student Aid Foundation Spring 2013 - Spring 2014

Academic Excellence Scholarship, Dept. of Economics, SKKU Fall 2010, Fall 2011

## Service

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Brown Bag Seminar Committee, Dept. of Agricultural, Food, and Resource Economics, MSU Spring 2022

## Programming Skills

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STATA, R, Matlab, Mathematica, Gauss (basic), and LaTeX

## References

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**Dr. Nicole Mason-Wardell**

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**Dr. Saweda Liverpool-Tasie**

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**Dr. Thomas Reardon**

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**Dr. Melinda Smale**

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