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EDUCATION

Iowa State University, Ames, Iowa
Ph.D. Economics, Spring 2026 (Expected).

York University, Toronto, Canada
M.A. in Economics, May 2014.

University of Toronto, Toronto, Canada
B.B.A, Specialization in Economics, November 2012.

FIELDS OF INTEREST

Macroeconomic Growth and Development, International Economics, Applied Econometrics

WORKING PAPERS

“Fertility, traditional economic activities, and property right” (JMP)

The fertility rate in Sub-Saharan Africa is high, and its decline is slow relative to the rest of the world, many years after the onset of the demographic transition in this region. Rural areas tend to exhibit higher fertility rates than their urban counterparts. Using 2022 Kenya Demographic Health Survey data, I classify rural households into farmers and pastoralists. I then compare the fertility of women from these two traditional economic activities. I find that rural women from pastoralist backgrounds have a higher average number of surviving children than their counterparts from farming backgrounds controlling for age, wealth, and education. I connect the difference in fertility to property rights differences inherent in the two traditional economic activities. Motivated by the fertility differences between the two groups, I explore the role of incomplete property rights in accounting for a higher fertility in a single-sector model economy where maintaining land ownership is costly, but where one’s children can reduce this cost. The model reveals that relative to a model with complete property rights initial off-steady state fertility is higher under the incomplete property rights setting.

RESEARCH IN PROGRESS

“Untitled agricultural lands and rural population share in Sub-Saharan Africa”
“Manufacturing as conduit for agricultural technology adoption”

TEACHING EXPERIENCE

Instructor, Simpson College, Indianola, IA, USA

- Principles of Economics (combined Micro and Macro, 4 credits), Fall 2025

Teaching Assistant - Recitation Lead, Iowa State University, Ames IA USA

- Intermediate Microeconomics, Spring 2024
- Principles of Macroeconomics, Fall & Spring 2022, 2023. Evaluation: **4.0/5.0**

Teaching Assistant, Iowa State University, Ames IA USA

- Principles of Microeconomics, Fall 2019, 2020, 2021. Spring 2020, 2021
- Introduction to Agricultural Markets, Fall 2022
- Development Economics, Spring 2022

Teaching Assistant, York University, Toronto, Canada

- Introduction to Microeconomics, Fall 2013, Winter 2014

PROFESSIONAL EXPERIENCE

Canada Mortgage and Housing Corporation (CMHC), Calgary, AB Canada, January 2018 - August 2018

Senior Analyst Economics

- Utilized econometric tools to track progress, identify trends, and assess economic and housing market risks at local, provincial, and national levels.
- Conducted comprehensive economic data analysis and delivered monthly presentations on economic and housing market trends to external stakeholders.
- Authored technical reports and ensured quality control before publication.

Saskatoon Regional Economic Development Authority (SREDA), Saskatoon, SK, Canada June 2015 - March 2017

Specialist, Economic Forecasting and Analysis

- Undertook economic research projects, including significant economic impact assessments.
- Collected and analyzed data on regional economic conditions and compiled reports for internal and external stakeholders use.
- Updated management on the state and performance of the local economy.

SKILLS

Programming Languages and Statistical Software

R, Matlab, Stata

REFERENCES

Dr. Juan Carlos Cordoba
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Graduate Studies,
Department of Economics,
Iowa State University
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Dr. Rajesh Singh, Professor
Department of Economics,
Iowa State University
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Dr. Abdi Kusow, Professor
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