CHANDRA K. DHAKAL

CONTACT INFORMATION	Division of Global Health Protection(DGHP) **Phone**: (806)407-0277

CONTACT INFORMATION

Division of Global Health Protection(DGHP)
Center for Global Health(CGH)
Centers for Disease Control and Prevention(CDC)
1825 Century Center, Atlanta, GA 30345 USA

Phone: (806)407-0277
Email: cdhakal@cdcfoundation.org

RESEARCH INTERESTS

Health Economics; Health Policy; Economic Evaluation; Decision Modeling ; Cost-effectiveness Analysis;

EDUCATION

The University of Georgia, Athens, GA

    Ph.D. in Econometrics and Quantitative Economics, August 2022

    M.S. in Statistics, August 2021

Texas Tech University, Lubbock, TX

    M.S. in Applied Economics, August 2016

PROFESSIONAL EXPERIENCE

Health Economist, CDC Foundation (Contract to CDC), Atlanta	Dec 2021 - Present
Research Assistant, The University of Georgia, Athens	Aug 2016 - Dec 2021
Research Assistant, Texas Tech University, Lubbock	Jan 2015 - Jul 2016
Assistant Professor, Tribhuvan University, Kathmandu	Jan 2014 - Dec 2014
Research Associate, Nepal Development Research Institute, Kathmandu	Jan 2012 - Dec 2013

PUBLICATIONS

Neupane, S. and **C., Dhakal**. (2024). Trends and disparities in diabetes prevalence in the United States from 2012 to 2022, JAMA Network Open (Forthcoming)

Neupane, S., W. J. Florkowski, and **C. Dhakal**. (2024). Heterogeneous Association between E-Cigarette Use and Diabetes Prevalence among US Adults, American Journal of Preventive Medicine

Singh, A. K., B. Lamichhane, S. Devkota, U. Dhakal, and **C. Dhakal.** (2024). Do Large Language Models Show Human-like Biases? Exploring ConfidenceâCompetence Gap in AI. Information, 15(2), 92. [Link]

Dhakal, C., Y. Luo, S. Wang, and C. Zhen. (2023). Unemployment Insurance Benefit Reduction and Food Hardship. Journal of Policy Analysis and Management. [Link]

Acharya, B., D. Bhatta, and **C. Dhakal** (2022). The risk of eviction and the mental health outcomes among the US adults. Preventive Medicine Reports, 29, 101981. [Link]

Acharya, B. and **C. Dhakal**. 2022. Risky health behaviors during the COVID-19 pandemic: Evidence from the expenditures on alcohol, non-alcoholic beverages, and tobacco products. *PLOS ONE*, [Link]. **(Co-first authorship)**

Dhakal, C., B. Acharya, and S. Wang. (2022). Food spending in the United States during the first year of the COVID-19 pandemic. Frontiers in Public Health, 10. [Link]

Dhakal, C., and C. L. Escalante. (2022). The productivity effects of adopting improved organic manure practices in Nepal. Frontiers in Environmental Science, 740. [Link]

Rezayi, S., Z. Liu, Z. Wu, **C. Dhakal**, B. Ge, C. Zhen, T. Liu, S. Li. 2022. AgriBERT: Knowledge-Infused Agricultural Language Models for Matching Food and Nutrition. *Proceedings of the Thirty-First International Joint Conference on Artificial Intelligence (IJCAI-22).* [Link]

Dhakal, C., S. Khadka, C. Park, and C.L. Escalante. 2022. Climate change adaptation and its impact on household farm income and revenue risk exposure. *Resources, Environment and Sustainability,* [Link]

Acharya, B. and **C. Dhakal**. 2021. Implementation of state vaccine incentive lottery programs and uptake of COVID-19 vaccinations in the US. *JAMA Network Open,* [Link] **(Co-first authorship)**

Dhakal, C. and S. Khadka. 2021. Heterogeneities in consumer diet quality and health outcomes of consumers by store choice and income. *Nutrients* 13, 1046. [Link]

Joshi, R. and **C. Dhakal**. 2021. Predicting type 2 diabetes using logistic regression and machine learning approaches. *International Journal of Environmental Research and Public Health*, 18,7346. [Link] **(Co-first authorship)**

Dhakal, C. and K. Lange. 2021. Crop yield response functions to nutrients application. *Agronomy Journal*, 1-13. [Link]

Dhakal, C., C.L. Escalante, and C. Dodson. 2019. Heterogeneity of farm loan packaging term decisions: a finite mixture approach. *Applied Economics Letters*, 26(18): 1528-1532. [Link]

Dhakal, C., K. Lange, M.N. Parajulee, and E. Segarra. 2019.Dynamic optimization of nitrogen in plateau cotton yield functions with nitrogen carryover considerations. *Journal of Agricultural Applied Economics*, 51(3): 385-401. [Link]

UNDER REVIEW PAPERS	**Dhakal, C.**, S. Khadka and C. Zhen . Impact of unemployment on health status, mental health and healthcare utilization: Evidence from firm closure during the COVID-19.
	Dhakal, C., Y. Luo, S. Wang and C. Zhen. The impact of unemployment insurance benefit reduction on food expenditures and food hardship: Evidence from the Federal Pandemic Unemployment Compensation expiration.
	Wang, S. and **C. Dhakal**. Measuring the welfare effect of the Low-Income Home Energy Assistance Program using the Exact Affine Stone Index demand system.
WORKING PAPERS	Price and wealth effects on the quality of food purchases (With Dr. Zhen)
	Purchase efficiency and the usage of SNAP benefits (With Dr. Zhen and Dr. Smith)
	Impact of stimulus payments on consumer spending (With Shaonan Wang)
TEACHING EXPERIENCES	**Instructor of Record, University of Georgia**
	Spring 2019 Analytical and Computational Tools for Applied Economics

Teaching Assistant, University of Georgia

Spring	2018	Principles of Microeconomics
Fall	2019	Futures and Options Markets

<table>
<tr><td>CONFERENCE
TALKS</td><td>**Dhakal, C.** and C. Zhen. The Great Recession and Nutritional Quality of Food Purchases. Selected presentation, Agricultural and Applied Economics Association Annual Meeting, Kansas City, MO, July 26-28, 2020 (Scheduled).</td></tr>
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Dhakal, C. Healthfulness of household food purchases based on the food retail environment. Selected paper, 89th annual conference of the Southern Economic Association, Fort Lauderdale, FL, November 23-25, 2019.

Dhakal, C. Do Food Purchases by Supplemental Nutrition Assistance Program Recipients Vary with Food Groups Over the Benefit Month? Selected Paper, Agricultural and Applied Economics Association Annual Meeting, Atlanta, GA, July 21-23.

Dhakal, C. Do Food Purchases by Supplemental Nutrition Assistance Program Recipients Vary in Nutrition Quality Over the Benefit Month? Selected paper, 88th annual conference of the Southern Economic Association, Washington DC, November 18-20, 2018.

Dhakal, C. and C. Escalante. Heterogeneity of Farm Loan Packaging Term Decisions: A Finite Mixture Model Approach. Selected paper, Agricultural and Applied Economics Association Annual Meeting, Washington DC, August 5-7, 2018.

HONORS AND
AWARDS

2020	**Outstanding Article Award**
	Dynamic Optimization of Nitrogen in Plateau Cotton Yield Functions with Nitrogen Carryover Considerations. *Journal of Agricultural and Applied Economics*
2019	**Graduate School Travel Award**
	University of Georgia, Graduate School
2018	**Graduate School Travel Award**
	University of Georgia, Graduate School
2015	**Travel Award**
	Colorado State University, Livestock Innovation Lab
2015	**Study Abroad Competitive Scholarship**
	Texas Tech University, Office of International Affairs
2014	**Early career research Scholar**
	FtF USAID, Livestock Innovation Lab
2011	**International Graduate Student Fellowship**
	FtF USAID, Livestock Innovation Lab

SERVICES AND
MEMBERSHIP

2020 - present	American Society of Health Economists
2017 - present	Southern Economics Association
2015 - present	Agricultural and Applied Economics Association
2020 - present	Agricultural Economics Society, UK
2015 - present	Southern Agricultural Economics Association
2017 - present	Graduate Student Association, University of Georgia

GRADUATE
COURSEWORK

Statistics

- ❏ Mathematical Statistics I
- ❏ Applied Linear Models
- ❏ Applied Time Series
- ❏ Statistical Software Programming

- ❏ Mathematical Statistics II
- ❏ Design and Analysis of Experiments
- ❏ Introductory Statistical Collaboration
- ❏ Advanced Statistical Applications and Computing

Economics

- ❏ Statistics for Econometrics
- ❏ Microeconomics I
- ❏ Econometrics I
- ❏ Macroeconomics I
- ❏ Survey Design and Experimental Economics
- ❏ Advanced Econometric Apps
- ❏ Nutritional Policy

- ❏ Introduction to Econometrics
- ❏ Microeconomics II
- ❏ Econometrics II
- ❏ Advanced Ag Development and Growth
- ❏ Non-market Economic Valuation
- ❏ Consumer Demand Theory
- ❏ Informatics Foundations
- ❏ Applied Bayesian Econometrics

RELEVANT SKILLS

Programming:	Stata, SAS, Python (Pandas, Numpy, Matplotlib, Scikit Learn), R, SQL, AWS
Tools:	Tableau, Power BI, Excel, Microsoft office package and LaTeX
Statistics:	A/B testing, Bayesian statistics, Survival and Multivariate analysis, Data Visualization, Clustering, Mixed and logistic model, Forecasting, Time Series, Causal inference, Text mining, Experimental and quasi-experimental design, Machine learning

REFERENCES   Available upon request