

Education

Master of Science in Agricultural Economics **Aug 2023**

University of Arkansas, Department of Agricultural Economics and Agribusiness GPA: 4/4

Thesis Title: Risk>Returns of Forward Contracting Southern Row Crops with Crop Revenue Insurance

Advisor: Dr. Andrew McKenzie

Bachelor of Science in Agriculture **Nov 2019**

Agriculture and Forestry University, Rampur, Nepal

Thesis Title: 'Economic analysis of coffee production in Arghakhanchi and Gulmi districts of Nepal'

Advisor: Dr. Arvind Srivastava

Experience

Research Assistant, University of Arkansas Division of Agriculture **Mar 2021 – Present**

- Design a research project using applied econometrics approach to assess the optimal volume of grain (rice, corn, and soybeans) to forward contract in combination with crop insurance.
- Collect historic yield and price data for rice, corn, and soybeans from NASS USDA
- Gather data for crop insurance base rate of different coverage level, future price, harvested price of rice, corn and soybean for 5 different counties of Arkansas.
- Analyze the impact of crop insurance in forward contracting.

Teaching Assistant, Department of Agricultural Economics and Agribusiness **Aug 2021 – Present**

- Assist undergraduate students on their research projects related to Environmental Economics for 'Principles of Environmental Economics' course (AGEC 3413)
- Aid faculty with grading quizzes, homework, and proctoring exams

Agricultural Instructor, Jalapa Devi Higher Secondary School, Nepal **Nov 2019 – Jul 2021**

- Taught Basic Economics to the Diploma in Agriculture (Plant Science)
- Worked as a Program Coordinator for the Diploma in Agriculture (Plant Science)

Internship, Prime Minister Agricultural Modernization Project Program, Nepal **Dec 2018 – Jun 2019**

- Engaged in agriculture extension such as training facilitation, household survey, field monitoring, and evaluation.
- Prepared profile book, sub-sector business analysis, and package of practice preparation for coffee in Gulmi district

Enumerator, CIMMYT **Jun 2018 – Jul 2018**

- Worked as a digital enumerator in the survey "Effectiveness of ICT tools in transmitting information to farmers about agricultural practices in Nepal" conducted by CIMMYT and McGill University and funded by USAID

Presentation

- Bhattarai, C., McKenzie, A. M., Biram, H. D., & Durand-Morat, A. (2023). Risk>Returns of forward contracting southern row crops with crop revenue insurance. **Oral**, *Agricultural & Applied Economics Association Annual Meeting*, Washington DC; July 23-25, 2023
- Khatri, B., Pokharel, S., & **Bhattarai, C. (2018)**, Economic Analysis of Fish Marketing in Nawalparasi District of Nepal, **Poster**, *International Agricultural Marketing Conference on Marketing and Value Chain Development in Agriculture and Food System*, Kathmandu, Nepal, June 4-5

Technical Skills

- Statistical Tools: Regression Analysis, Econometrics, Simulated Optimization
- Programming Language: R, STATA, SPSS
- Policy Analysis: SPEM, GAMS, CGE, Linear programming

Certificate Courses

MA001: College Algebra by Saylor Academy **Nov 2022**

- This course includes solving algebraic equations, factoring algebraic expressions, working with rational expressions, and graphing linear equations.

RAW102: Algebra by Saylor Academy**Oct 2022**

- This course discusses how to use algebra for a variety of everyday tasks, such as calculate change without specifying how much money is to be spent on a purchase, analyzing relationships by graphing, and describing real-world situations in business, accounting, and science.

Introduction to Python by Datacamp**Mar 2022**

- This course provides knowledge about the powerful ways to store and manipulate data, and helpful data science tools to begin conducting your own analyses.

MA005: Calculus I by Saylor Academy**Jan 2021**

- This course includes detailed introduction of functions, graphs, limits, continuity, and derivatives, and the relationship between derivatives and graphs.

Research Publications

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- 5) Bhandari, D., **Bhattarai, C.**, Dahal, B. R., Gautam, A., & Joshi, P. P. (2021). Determinants of Seed Replacement Rate (SRR) of Rice in Kanchanpur District of Nepal. *Nepalese Journal of Agricultural Sciences*, 21(20), 59-69.
 - 4) **Bhattarai, C.**, Bhusal, K., Bhandari, D., Gautam, A., Bhandari, S., & Bhujel, S. (2020). Economic Analysis of Coffee Production in Arghakhanchi and Gulmi Districts of Nepal. *Food & Agribusiness Management*, 1(1), 39-42.
 - 3) Gautam, A., **Bhattarai, C.**, Khadka, R., Bhandari, D., & Regmi, R. (2020). Economics of Production and Marketing of Mandarin in Gulmi, Nepal. *Food and Agribusiness Management*, 1(1), 1-4.
 - 2) **Bhattarai, C.**, Bhandari, D., Bhandari, S., Bhusal, K., Khatri, B., Srivastava, A., & Sapkota, B.D. (2020). Factors affecting the productivity of coffee in Gulmi and Arghakhanchi districts of Nepal. *Journal of Agriculture and Natural Resources*, 3(1), 51- 60.
 - 1) Thapa, T. L., **Bhattarai, C.**, Khatri, B., & Bhusal, K. (2018). Supply Chain Analysis of Rice Subsector in Dang District, Nepal. *International Journal of Applied Sciences and Biotechnology*, 6(4), 319-326.