

Mohan Khanal
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Kathmandu
Nepal
Research Analyst

Profile

Aspiring data science and causal inference researcher with applied experience in econometrics, statistics, and large-scale data analysis. Skilled in R and Stata, with hands-on work in managing and analyzing complex datasets. Motivated to apply experimental and quasi-experimental methods to generate actionable insights in policy and applied research settings.

2018–22	M.A. , Economics, Tribhuvan University, Nepal
2012–16	B.B.A. , Finance, Kathmandu University, Nepal
Test Scores	GRE: Quantitative 160, Verbal 149, Analytical Writing 3.5

Research Experience

2023–2025	Research Associate, The Economics of Tobacco Harm Reduction in Nepal, Prakriti Pragya Nepal, Worked under Dr. Nirmal Kumar Raut and led the consumer behavior survey of tobacco users in Nepal, Conducted FGDs and KIIs with tobacco industry stakeholders, vendors, and product consumers, Performed data analysis using stated preference models (LPM, Conditional Logit, Multinomial, and Mixed Logit), Prepared survey reports and journal articles
2022	Research Assistant, Knowledge, Attitude and Practice on Inclusive Education of Nepali Children, Institute for Frontier Studies, Assisted Dr. Pankaj Koirala in analyzing the inclusion of education for disabled children in Nepal, Cleaned data and prepared the Handicap International Final Evaluation Report, Generated descriptive statistics and regression tables
2022	Research Assistant, Study of Effectiveness of Concessional Lending Schemes in Response to the COVID-19 in Nepal, ADB & Central Bank Joint Project, Coordinated and communicated among survey project leads, Dr. Raju Laudhari and Bishal K. Chalise, Designed surveys and prepared summary reports, Programmed survey questionnaires into the Open Data Kit (ODK) platform, Trained and supervised enumerators during quantitative surveys (CAPI and real-time)
2022	Research Assistant, Impact Assessment of Technical Education and Vocational Training (TVET) Graduates, Central Department of Economics, Conducted KIIs with stakeholders, including colleges and institutions from community, private, and constituent structures, Facilitated Focus Group Discussions with industry stakeholders on trends and gaps in graduates and skilled manpower from TEVT

2021–2022 Graduate Research Assistant, Constructing Social Accounting Matrix and Estimating Computable General Equilibrium, Central Department of Economics, Prof. Shiva Raj Adhikari, PhD and Dr. Resham Thapa-Parajuli, Developed a prototype Social Accounting Matrix (SAM) for Nepal, Conducted literature reviews and contributed to report writing

Job Experience

Aug 2025 - Jr. Research Analyst, [IIDS](#), Kathmandu, (Advisor: [Dr. Bijan Bhattarai](#))
Present

2023-2024 Research Associate, Prakriti Pragya, (Advisor: [Dr. Nirmal Kumar Raut](#))

Teaching Experience

APEX College, Kathmandu

Present Lecturer, Basic Econometrics(Undergraduate level)

Nepal College of Management, Kathmandu

Present Lecturer, Behavioural Economics(Undergraduate level)

Global Research Institute and Training Center (GRIT), Kathmandu

Present Lecturer, R for Data Analysis(Professional training for researchers)

National Institute for Science and Technology (NIST), Kathmandu

Spring 2022 Lecturer, Microeconomics & Macroeconomics(Undergraduate level)
- Spring
2025

IMS College, Kathmandu

Fall 2022 Lecturer, Microeconomics (Undergraduate level)

Presentations and Conferences

Sep 2024	Presented a paper titled "Inequality in Child Nutrition in Nepal during 2006–2022: A Decomposition Analysis" at the 3rd CEDECON Annual International Conference in Economics (CAICE), Tribhuvan University , Kathmandu, Nepal
Sep 2023	Presented a paper titled "Inequality in Child Nutrition in Nepal: A Cross-Sectional Decomposition Analysis (2016)" at the 2nd CEDECON Annual International Conference in Economics (CAICE), Tribhuvan University , Kathmandu, Nepal
Jul 2023	Presented a paper titled "Inequality in Child Nutrition in Nepal: A Decomposition Analysis" at the 3rd Himalayan Policy Research Consortium (HPRC), University of New Mexico (UNM) , Nepal
Oct 2022	Participated and conducted "A Block Course in Energy Economics and Policy" in a joint collaboration with ETH Zurich , CEPE, JNU, and CEDECON , Nepal

Projects

khanalmohan.github.io

Personal website featuring R Course materials.

Technical Skills

Data Collection	Kobo Toolbox, ODK, SurveyCTO, Commcare
Statistical and Data Programming	R, Stata, SPSS, Excel, SQL, Python
Others	GIS (QGIS, ArcGIS), L ^A T _E X, Quarto, Markdown, Shiny, GitHub

Reference

Dr. Resham Thapa-Parajuli Associate Professor Central Department of Economics, Tribhuvan University resham.thapa@cdec.tu.edu.np +977-9841700905	Dr. Nirmal Kumar Raut Associate Professor Central Department of Economics, Tribhuvan University nirmal.raut@cdec.tu.edu.np +977-9841437641	Dr. Pankaj Koirala Former Executive Director Intstitute for Frontier Studies, Kathmandu, Nepal p.koirala@cgiar.org +977-9845690175
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Research Papers

- Relationship between Macroeconomic Policy and Long-Run Economic Growth in Nepal** *Published*
This paper examines the long-run relationship between macroeconomic policy variables and economic growth in Nepal within a Cobb–Douglas production framework. Using annual macroeconomic data, the study analyzes the effects of gross fixed capital formation, population growth, trade openness, and money supply on GDP growth. An Autoregressive Distributed Lag (ARDL) bounds testing approach and an error correction model are employed to identify both long-run cointegration and short-run dynamics. The results confirm the existence of a stable long-run relationship among the variables, with investment emerging as a key driver of economic growth. The findings highlight the importance of investment-oriented macroeconomic policies for sustaining long-run growth in Nepal.
- Inequality in Child Nutrition in Nepal: A Decomposition Analysis** *Working Paper*
This study investigates socioeconomic and regional inequalities in child nutrition outcomes in Nepal,

with a particular focus on stunting. Using pooled nationally representative data from the Demographic and Health Surveys (2006, 2011, 2016, and 2022), the paper examines how household wealth, maternal education, regional characteristics, and environmental factors contribute to nutritional disparities. Concentration indices and decomposition techniques reveal persistent disadvantages among children from poorer households, rural areas, and mountainous regions. Maternal education and household wealth significantly reduce nutritional inequality, while limited access to improved sanitation and safe water exacerbates disparities. The results underscore the importance of targeted nutrition, education, and environmental interventions to improve child health and human capital formation in low-income settings.

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