

# Kaustav Chakraborty

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*I am a trained demographer and statistician, deeply committed to advancing the field of Demography and Population Health through dedication, perseverance, and innovative methodologies. I aim to leverage my expertise in demography and related disciplines to pursue a career in active research, focusing on population ageing and health economics. My goal is to contribute to the comprehensive development of these areas and derive fulfilment from my impactful contributions.*

## EDUCATION

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Centre d'Estudis Demogràfics Universitat Autònoma de Barcelona PhD in Demography	November 2025- Ongoing Barcelona, Spain
International Institute for Population Sciences M.Sc. Biostatistics and Demography   CGPA- 7.91/10 (Gold Medallist)	July 2022 – May 2024 Mumbai, India
Banaras Hindu University B.Sc. (Honours) Statistics   CGPA- 8.93/10	July 2019 – May 2022 Varanasi, India
Banaras Hindu University Undergraduate Spanish Diploma   CGPA- 9.7/10 (Course Topper)	August 2019 – May 2021 Varanasi, India

## EXPERIENCE

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MS Swaminathan Research Foundation Research Consultant	April 2025- May 2025 Remote
Seoul National University Research Assistant	March 2025 – June 2025 Remote
International Institute for Population Sciences Research Assistant	July 2024 – Feb 2025 Mumbai, India
AG Consultancy Research Analyst Intern	March 2023 – June 2023 Kolkata, India
Social Science Educator Myra_EkPahel NGO	Jan 2021 – May 2021 Remote

## RESEARCH INTERESTS

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Population Ageing  
Health Inequalities  
Mathematical Demography

Consequences of Migration  
Development Economics  
Health Economics

## PUBLICATIONS

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- Chakraborty, K., Goli, S. Economic impact of population aging in India, 1991–2050: evidence based on micro-simulation modeling. *China Population and Development Studies*. (2025). <https://doi.org/10.1007/s42379-025-00187-6>.

## WORKING PAPERS

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- Chakraborty K., Goli S., Chakraborty R. 2025. “Years of Good Life Adjusted Dependency Ratio: An alternative measure of Ageing burden with an exemplar from India”. Archives of Gerontology and Geriatrics.
- Goli S., Chakraborty K., Reddy A. B., Dash A., 2025. “Climate Change and Nutrition: A Vulnerability assessment from Indian context”.
- Goli S., Chakraborty K., Reddy A. B., Dash A., 2025. “Emerging issues for food and nutrition security in India in the era of Climate Change: A Scoping review”.

## PROJECTS

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- **Impact of Climate Change on Food and Nutrition Security of India with a special focus on Bihar (July 2024- February 2025)**

**P.I:** Dr. Srinivas Goli, Associate Professor, Department of Fertility and Social Demography, IIPS

Using hydro-climatic data from different sources, I am responsible for building a new district-level Climate Vulnerability Index (CVI) to explore the complex relationship between Climate Change and Nutrition.

- **Master’s Dissertation (October 2023 – April 2024)**

**Title:** Economics of Long Life: An Exemplar Study from India

**Guide:** Dr. Srinivas Goli, Associate Professor, Department of Fertility and Social Demography, IIPS

**Abstract:** The study aims to look into several pathways to reap the silver dividend in India, which is supposed to be pivotal in the coming decades. The quality of additional life years is examined by calculating the dependency ratio using the concept of years of good life. The economic implications of the growing aged population are attempted to be answered through a micro-simulation approach. The relationship between better health, morbidity conditions, and economic growth is analysed through panel data regression and decomposition analysis.

- **Conceptualising Mortality Transition: A Life Table approach (July 2023 – September 2023)**

**Guide:** Prof. Udaya S. Mishra, Professor, Department of Biostatistics and Epidemiology, IIPS

**Abstract:** The study aims to present a picture of mortality transition in Indian States through the calculation of the age at which life expectancy equals the years of life already lived among the states. Using the life table estimates of life expectancy, the calculations show different paces of mortality transition across the states.

- **Comprehensive project on Rice Fallow Management (March 2023 – June 2023) | Internship Project**

Worked on this project funded by the Government of Odisha and ICRISAT as a project supervisor. I was involved in designing the questionnaire and training the enumerators for the survey. I was also responsible for regularly monitoring data from the field survey. I performed the Statistical analysis of primary data obtained from the survey. I wrote the literature review and project report based on the findings.

- **A Qualitative Study on Women's and Girls' Safety in the locality of Govandi, Mumbai. | Course Project (Dec 2022- Jan 2023).**

**Guide:** Prof. Usha Ram, Professor, Department of Biostatistics and Epidemiology, International Institute for Population Sciences.

**Abstract:** A qualitative analysis was performed on the above-mentioned topic in which we developed the questionnaires, did the social mapping of the area under study, had a transect walk and gathered responses through In-depth Interviews and Key Informant Interviews. We presented the security-related problems of the people living in the slums in Govandi and how these factors determine the daily mobility and decision-making patterns of women living in that area.

- **Bachelor's Dissertation (January 2022 – May 2022)**

**Title: Study on the approach to healthcare on the view of the Covid-19 pandemic among students**

**Guide:** Prof. Sanjay K. Singh, Department of Statistics, Banaras Hindu University

Using primary data collected using Google Forms, the change in practices and approaches towards healthcare at a micro level was analysed. Performed statistical tests to find a significant association.

## CERTIFICATES and WORKSHOPS

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Topics in Digital and Computational Demography Max Planck Institute for Demographic Research (MPIDR)	November 2024
Econometric Modelling IIT Roorkee – NPTEL (All India Topper)	July 2023 – September 2023
Indian Economy: Some Contemporary Perspectives IIT Kanpur – NPTEL	January 2023 – March 2023
Health Research Fundamentals ICMR (National Institute of Epidemiology) – NPTEL	January 2023 – March 2023
Advanced analysis using Excel Placement Cell, IIPS	2022
R Programming- A Basic Workshop Department of Statistics, BHU	2021

## SKILLS and PROFICIENCIES

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Survey Tools:	KoboToolBox (Advanced), SurveyCTO (Advanced)
Statistical Software:	STATA (Advanced), SPSS (Advanced), R (Intermediate)
Spatial analyses:	Q-GIS (Beginner), GeoDa (Advanced)

## PRESENTATIONS

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### **Years of Good Life Adjusted Dependency Ratio: An alternative measure of ageing burden with an exemplar from India.**

- European Union Health Economics Association Conference, 2024. Vienna, Austria. (selected for poster presentation)
- Asian Population Association Conference, 2024, Kathmandu, Nepal. (selected for oral presentation)
- British Society for Population Studies, 2024, University of Bath (selected for poster Presentation)
- Australian Health Economics Society Conference, 2024. (selected for poster presentation)

### **Economic Impact of Population Ageing in India: Evidence based on micro-simulation approach for 1991-2050**

- International Population Conference, IUSSP 2025 (Upcoming poster Presentation)

## AWARDS and HONOURS

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- Recipient of **Marie Skłodowska-Curie Actions (MSCA) TOUCH** doctoral fellowship.
- Awarded **Prof. Sukumar Mukerji Gold Medal** for securing top position and all-round performance in the M.Sc. Biostatistics and Demography (2022-24) course.
- Qualified National Eligibility Test (UGC-NET) for **Assistant Professorship** in Indian Universities in the field of Population Studies.
- Awarded University Grants Commission (UGC) **Junior Research Fellowship (JRF)** to pursue research in the field of Population Studies in India.
- **Government of India National Fellowship** Award – For pursuing a Master's degree for the term 2022-24.
- **Ranked 5<sup>th</sup>** in the All-India entrance test conducted by the International Institute for Population Sciences, Mumbai.

## LANGUAGES KNOWN

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- **Bengali**- Native Speaker
- **Hindi**- Oral: C2 | Written: C1 | Listening: C2 | Reading: C2
- **English**- Oral: C1 | Written: C2 | Listening: C2 | Reading: C2
- **Spanish**- Oral: A2 | Written: A2 | Listening: A2 | Reading: A2