

Dr. Jayanta Kumar Bora



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BRIEF BIO

I am a trained Statistician, Demographer, and Public Health and Development Researcher. I am currently working as a Guest Researcher at the University of Rostock and a Postdoctoral Fellow at Deutsches Zentrum für Neurodegenerative Erkrankungen e. V. (DZNE), Rostock, Germany. I am also working as Executive Director at VART Consulting(P) LTD., Mumbai, India. Over one and a half decades of working experience in the research & development sector, I provide valuable expertise in research, consulting, and training domains. I have worked with various social and public health-related projects and have expertise in advanced data analytics with different software, like R, STATA, SPSS, Python, Power BI, and Advanced Excel. I have more than 30 research articles/working papers/chapters published in national and international peer-reviewed journals and the academic editorial board of PLOS ONE and PLOS Global Public Health Journals.

AREAS OF RESEARCH

Data Science, Child Health & Child Mortality, Demography Research, Education, Health & Gender Inequality, Social and Regional Inequality in Health and Neurodegenerative disease among older people

TEACHING EXPERIENCE

Nov/2019 – Present

- Research & Training mentor- Teaches Research Methodology, Demographic Techniques, Health Inequality, and Child Nutrition and provides Advanced Quantitative and Demographic Analysis training/teaching to the Researcher, PhD. Scholars and Faculties using MS Excel, STATA, SPSS, R software, and Power BI. Also, act as a resource person in the various soft skill training and capacity-building programs at VART Research, New Delhi & Mumbai, India.
- Teaching/Resource person for institutions like IIT Mandi, IIT Tirupati, Banaras Hindu University (BHU), Amity University, St Anthony College, Shillong, Meghalaya; MSSV, BKB College, Assam, BH Howly College, Barpeta, Assam; Rabindra Nath Tagore University, Hojai, Khagarijan College, Assam, etc.

SUPERVISION(CONSULTANCY) OF PH.D. STUDENTS

Student (s) from various institutions

- ❖ International Institute for Population Sciences, Mumbai, India

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- ❖ Jawaharlal Nehru University, New Delhi, India
- ❖ Cotton University, Assam, India
- ❖ Khagarijan College, Gauhati University, Assam, India
- ❖ Sri Venkateshwara University, Gajraula, Uttar Pradesh, India
- ❖ North-Eastern Hill University (NEHU), Shillong, Meghalaya
- ❖ Public Health Foundation of India
- ❖ PDUAM, Tulungia, Assam

EDUCATION

2016-2022	Ph.D. on the topic " Child Morbidity and Mortality in India: Determinants of Inter-Group and Regional Disparities from Indira Gandhi National Tribal University (IGNTU), Amarkantak, Madhya Pradesh, India (through Indian Institute of Dalit Studies, ICSSR, New Delhi)
2009	Master of Population Studies (MPS), International Institute for Population Sciences (IIPS), Mumbai
2004	Postgraduate Diploma in Computer Application (PGDCA) from CDAC, Assam; secured A+ Grade
2002	M.Sc. in Statistics, Gauhati University, Assam; secured 1st class
2000	B.Sc. in Statistics (Physics and Mathematics as a pass course) Gauhati University, Assam; secured 1st class
2020	UGC-NET in Population Studies

POSITION(S) AND RESEARCH EXPERIENCE

Nov/2019 – Present

Executive Director at VART Consulting(P) LTD., Mumbai, India.

Core Responsibilities

Client Management and business Development, Capacity-building activities, organizing the Internal Seminar, Monitoring and evaluation, developing research proposals and conducting research using a mixed research methodology approach, data management, and writing innovative research articles. Advisors and consultancy support for the PhD. Scholars.

Aug/2017 – June/2019

Researcher at Wittgenstein Centre for Demography and Global Human Capital & World Population Program, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria

Core Responsibilities

Big Data analysis, Capacity building works, Innovative research activities, developing scientific research articles and publishing in good impact factor research journals, Teamwork, Statistical modelling, and Presenting research papers at international conferences.

Aug/2015 – May/2017

Project Officer (Monitoring & Evaluation) at Public Health Foundation of India (PHFI), Gurgaon, India

Core Responsibilities

National level M&E responsibilities, Coordinate for the Development of MEL toolkit for NACO/USAID, Responsible for baseline/end-line survey conduct, Development of factsheet/M.E. report/USAID indicators, Capacity building activities for the NGO M&E team.

Aug/2012 – Oct/2014

Operations Manager, Department of Business Analytics and Research Support Service at Aon Hewitt, Gurgaon, India

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Core Responsibilities

Team handling, providing statistical analysis, capacity/ forecasting modelling, Annual Enrolment support in different stages, Strategic Research, Monitoring, and data validation, organiser of the internal scientific seminar, Preparation/presentation on different scorecards, and presents to Leadership, Coordinates, and works With onshore clients.

Nov/2010 – July/2012

Senior Consultant-Advanced Analytics at Majestic MRSS Research, Mumbai & Delhi, India

Core Responsibilities

Team handling, Responsible for all client requirements in research and data analysis, Survey Programming (offline/online) for CATI/CAPI surveys & data processing, providing analytical training, and ensuring quality at each stage of the research and data deliverables to the stakeholders.

Jan/2009 – Oct/2010

Consultant-Advanced Analytics at TNS Research International, Mumbai, India

Core Responsibilities

Handling large sets of product base/consumer data, providing statistical modelling using different analytical methods, tools, interpreting operational trends, and making recommendations for possible improvement on an industry-based data, completed a good number of projects for IT/FMCG/Finance/ Healthcare/Telecom, and Automotive Industry, dealing with stakeholders and providing research and analytical solutions.

Feb/2007 – Dec/2008

Senior Research Officer at International Institute for Population Sciences (IIPS), Mumbai, India

Core Responsibilities

Worked in District Level Household Survey-3 under the Reproductive and Child Health (RCH) project with the Ministry of Health and Family Welfare, Govt. of India, and WHO-SAGE India wave 1 project. Involved in M&E activities, Provided Training to the research Agency/ Investigators, developed the questionnaire, and monitored In survey data collection, Sampling and weight estimation, data monitoring, data analysis, and assistantship in report writing.

Jan/2005 – Dec/2006

Research Associate at the Institute of Advanced Study in Science & Technology (IASST), DST, Govt of India, Guwahati, Assam

Core Responsibilities

Worked on the project Database of Research Development Institutions by Broad Research Areas in the Northeastern Region Supported by the DST, Govt. of India. Involved in the development of the questionnaire, data collection, organised training/seminars for the scholars, Data analysis and report writing, and disseminating results in publication form.

Feb/2003 – Dec/2004

Research Associate at Population Research Centre (PRC), Department of Statistics, Gauhati University, Assam, India

Core Responsibilities

Worked in the Public Health projects, WHO-WHS and DLHS-2 under the RCH project. Involved in the development of the questionnaire, data collection, organized training, seminars, Data analysis, and report writing and disseminating results in a presentation and publication.

LARGE-SCALE PROJECT EXPERIENCE

- Senior Researcher & Technical Expert in the study "to map the status of health services provided for CVD and COPD under the umbrella of NPCDCS at community and public health facility level and identify challenges in service delivery in selected blocks of Mumbai & Rajasthan "in June 2022- Oct 2022.

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- Senior Researcher & Technical Expert in Midline Evaluation of Project aiming at strengthening civil society organisations towards fostering women empowerment in Eastern Uttar Pradesh, India, funded by Child Fund India in May 2022- Dec 2022.
- Senior Researcher & Technical Expert in the "Endline survey among public sector medical facilities and health care providers to understand diagnosis, prevalence, and treatment for childhood pneumonia in Madhya Pradesh", funded by Clinton Health Access Initiative Inc. (CHAI) India in April-May 2022.
- Senior Researcher & Technical Expert in the "Gender Vulnerability Study in Eastern Uttar Pradesh, India" funded by Child Fund India in Dec 2020- Feb 2021
- M&E specialist in "The HIV/AIDS Partnership: Impact through Prevention, Private Sector and Evidence-based Programming (PIPPSE)" Project funded by USAID
- Senior Research Officer in "District Level Household Survey-3" under Reproductive and Child Health, funded and regulated by the Ministry of Health and Family Welfare, Govt. of India and IIPS, Mumbai.
- Research Officer in "The World Health Organisation's Study on Global Ageing and Adult Health (SAGE) wave-1" India Project conducted by IIPS, Mumbai
- Research Investigator in "Database of Research Development Institutions by Broad Research Areas in the Northeastern Region Sponsored by the DST, Govt.of India at the Institute of Advanced Study in Science & Technology (IASST), Guwahati, Assam
- Research Investigator at PRC, Dept. of Statistics, Gauhati University for the research projects "WHO-WHS-2002", and "District Level Household Survey-2, under Reproductive and Child Health".

AWARD/FELLOWSHIP

- Received UDAYA Data Writing Prize (USD 2000 and certificate) for the paper entitled "Magnitude and risk factors of violence against adolescents: Evidence from UDAYA study in Bihar and Uttar Pradesh" in 2021, submitted as part of the Scientific writing competition of the UDAYA Project, Population Council during 2020-21.
- Received travel support for the 2nd IUSSP Pop Pov Conference, held in Paris, from 22-24 June 2020.
- Guest Researcher fellowship (August 2017- June 2019) from the University of Economics and Business (W.U.), Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/AW, W.U.), Vienna, and the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria.

RESEARCH SKILLS

Demographic Methods: Cohort-component, population projection, mortality, fertility analysis, and survey design & survey analysis, spatial analysis

Data Analysis: Experienced with large-scale surveys (DLHS, DHS, Census, IHDS, NSSO, SAGE)

Statistical Modelling: Regression analysis, decomposition analysis, Survival Analysis, PCA, SEM, multi-level analysis, multinomial logistic regression, driver analysis, path modelling, cluster analysis, discrete choice modelling, etc.

COMPUTER SKILLS

STATA, SPSS, R, Python, Power BI, Tableau, MORTPAK, QGIS, Atlas ti, MS Office, Survey programming, etc.

PUBLICATIONS

Journal Articles

- [1] **Jayanta Kumar Bora**, Nandita Saikia, Santosh Jatrana (2025). Prevalence and risk factors of violence against adolescents: Evidence from the two most populous and socio-economically disadvantaged states of India. *Children and Youth Services Review*. Available online 5 October 2025, 108609. <https://doi.org/10.1016/j.chilyouth.2025.108609>
- [2] Vennam BSV, Kuppli SS, **Kumar Bora J**, Sahoo SS, Gujjarlupudi C, Bhimarasetty DM, et al. (2024) Socioeconomic and behavioral factors of hypertension among Indian tribal population: Evidence from national family health survey 5. *PLoS ONE* 19(12): e0312729. <https://doi.org/10.1371/journal.pone.0312729>
- [3] Sharma, Shailja; Singh, Harshvardhan; **Bora, Jayanta**; Krishnamoorthy, Yuvaraj; Jaswal, Nidhi; Goel, Sonu. Levels, Trends and Determinants of Tobacco Quitting Behaviour in India: Findings from Two Consecutive Nationally Representative Surveys. *Preventive Medicine Research & Reviews* [1\(5\):p 223-230, Sep–Oct 2024](#). | DOI: 10.4103/PMRR.PMRR_43_24
- [4] Lal D, Virk AK, Bhardwaj A, Lal KK, **Bora J**, Nadda A, et al. (2024) Pestilent relationship between smoking and hypertension or pulse pressure among males over 15 years in India: NFHS-5 Survey. *PLoS ONE* 19(5): e0294898. <https://doi.org/10.1371/journal.pone.0294898>
- [5] **Bora, J.K.** (2023). Female Under-Five Mortality in India. In: Guilimoto, C.Z. (eds) *Atlas of Gender and Health Inequalities in India. Demographic Transformation and Socio-Economic Development*, vol 16. Springer, Cham. https://doi.org/10.1007/978-3-031-47847-5_6
- [6] Saikia, N. and **Bora J.K.**, (April 2023). Awareness and Impact of Prime Minister Narendra Modi's Mann Ki Baat Program in India: A Mixed Methods Study. *GUINEIS Journal: An interdisciplinary peer-reviewed Journal of North East India Studies*. Special Issue 2023. Maan Ki Baat and North East India. [Maan ki baat Saikia and Bora compressed](#).
- [7] Saikia, N.; Kumar, K.; **Bora, J.K.**; Mondal, S.; Phad, S.; Agarwal, S. (2023). What Determines the District-Level Disparities in Immunization Coverage in India: Findings from Five Rounds of the National Family Health Survey. *Vaccines*, 11, 851. <https://doi.org/10.3390/vaccines11040851>
- [8] **Bora, J. K.**, Saikia, N., Kebede, E. B., & Lutz, W. (2022). Revisiting the causes of fertility decline in Bangladesh: the relative importance of female education and family planning programs. *Asian Population Studies*, 1-24. DOI: 10.1080/17441730.2022.2028253
- [9] Saikia N, Meh C., Ram U, **Bora JK**, Mishra B., Chandra S., Jha P. (2021). Trends in missing females at birth in India from 1981 to 2016: analyses of 2.1 million birth histories in nationally representative surveys. *Lancet Global Health*. DOI: 10.1016/S2214-109X(21)00094-2.
- [10] **Bora, J. K.** (2020). Factors explaining regional variation in under-five mortality in India: An evidence from NFHS-4. *Health & Place*, 64, 102363. <https://doi.org/10.1016/j.healthplace.2020.102363>
- [11] Saikia N., Saha A., **Bora J.K.**, Joe W. (2020) Immigration and Bengali Population in Assam: Evidence from Direct and Indirect Demographic Estimation. In: Chattopadhyay A., Ghosh S. (eds) *Population Dynamics in Eastern India and Bangladesh*. Springer, Singapore
- [12] Dimitrova A, **Bora JK** (2020) Monsoon weather and early childhood health in India. *PLoS ONE* 15(4): e0231479. <https://doi.org/10.1371/journal.pone.0231479>
- [13] Striessnig, E., **Bora, J.K.** Under-Five Child Growth and Nutrition Status: Spatial Clustering of Indian Districts. *Spat Demogr* 8, 63–84 (2020). <https://doi.org/10.1007/s40980-020-00058-3>

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- [14] **Bora, J.K.**, Saikia, N. and Lutz, W. (2019). Revisiting the causes of fertility decline in Bangladesh: Family planning program or female education. IIASA Working Paper. Laxenburg, Austria: WP-19-011 http://pure.iiasa.ac.at/id/eprint/16200/?fbclid=IwAR2HfxjbfDm9LHEw-J_bd1YeDoturtH6_Y1PQ_Otv9rJEXgNF_aviCOimcflM
- [15] **Bora JK**, Raushan R, Lutz W (2019) The persistent influence of caste on under-five mortality: Factors that explain the caste-based gap in high-focus Indian states. *PLoS ONE* 14(8): e0211086. <https://doi.org/10.1371/journal.pone.0211086>.
- [16] Saikia N, **Bora JK.**, & Luy Marc (2019). Socioeconomic disparity in adult mortality in India: estimations using the orphanhood method. *Genus* 75 (1) DOI: 10.1186/s41118-019-0054-1.
- [17] Striessnig E & **Bora JK.** (2019). Under-Five Child Growth and Nutrition Status: Spatial Clustering of Indian Districts. VID Working Paper 03/2019. Vienna Institute of Demography, Austrian Academy of Sciences, Vienna, Austria
- [18] **Bora, J. K.**, & Saikia, N. (2018). Neonatal and under-five mortality rate in Indian districts with reference to Sustainable Development Goal 3: An analysis of the National Family Health Survey of India (NFHS), 2015–2016. *PloS one*, 13(7), e0201125.
- [19] **Bora, J. K.**, Raushan, R., & Lutz, W., (2018). Contribution of education to infant and under-five mortality disparities among caste groups in India (No. 03/2018). Vienna Institute of Demography Working Papers.
- [20] Saikia N, Sehgal S, **Bora JK.**, & Diamond-Smith N (2018). Experiences of Neonatal Deaths among Urban Poor in Metropolitan Delhi: Commination, Poor Quality, and Overwhelmed System. *Journal of Social Inclusion Studies* 3 (1 & 2): 1-19. DOI:10.1177/2394481120170101
- [21] Guilmoto CZ, Saikia N, Tamrakar V, & **Bora JK** (2018). Excess under-5 female mortality across India: a spatial analysis using 2011 census data. *Lancet Global Health* 6: 650-658. DOI: 10.1016/S2214-109X(18)30184-0.
- [22] Saikia N, **Bora JK**, Jasilionis D, Shkolnikov VM (2016) Disability Divides in India Evidence from 2011 Census. *PLoS ONE* 11(8): e0159809. doi:10.1371/journal.pone.0159809.
- [23] Saikia N, Sehgal S, **Bora JK** and Diamondsmith (2016). Experiences of neonatal deaths among the urban poor in Metropolitan Delhi: poor commination, poor quality, and an overwhelmed system. *Journal of Social Inclusion Studies*, IIDS, New Delhi.
- [24] Saikia N, Saha A, **Bora JK** and Joe W (2016). Trends in immigration from Bangladesh to Assam, 1951-2001 Evidence from direct and indirect demographic estimation. *International Migration and Diaspora Studies (IMDS) Working paper series*, Working paper no 91. ISSN 0976-271X published by IMDS project, Zakir Husain Centre for Educational Studies, JNU, New Delhi.
- [25] Saikia N, Moradhvaj, **Bora JK** (2016) Gender Difference in Health-Care Expenditure Evidence from India Human Development Survey. *PLoS ONE* 11(7): e0158332. doi: 10.1371/journal.pone.0158332.
- [26] Saikia N and **Bora JK** (2016). Does increasing longevity lead to increasing disability? Evidence from the Indian States. *Social Change and Development* Vol XIII. Publisher: OKD Institute of Social Change and Development, Guwahati.
- [27] **Bora JK**, Saikia N (2015). Gender Differentials in Self-Rated Health and Self-Reported Disability among Adults in India. *PLoS ONE* 10(11): e0141953. doi:10.1371/journal.pone.0141953, Publisher: Public Library of Science.

- [28] Saikia N, **Bora JK**, Ram F (2013). Who Gets Education in Uttarakhand? In *Population, Health, and Development: Perspectives on Uttarakhand*, Eds. T.V. Sekher, A. Singh and S. Parasuraman, Academic Foundation, New Delhi.

MAJOR COLLABORATIONS

- **Wolfgang Lutz**, Founding Director of the Wittgenstein Centre for Demography and Global Human Capital (IIASA, OeAW, University of Vienna)
- **Endale Kebede**, University of Vienna
- **Centre for Global Health Research**, University of Toronto, collaborators with Meh C., Jha P
- **Anna Dimitrova**, University of California, San Diego
- **Erich Striessnig**, Professor at the University of Vienna
- **Marc Luy**, Director, head of the research group "Health and Longevity" at the Vienna Institute of Demography of the Austrian Academy of Sciences
- **Nadia Diamond-Smith**, Assistant Professor, Epidemiology & Biostatistics, Institute for Global Health Sciences at the University of California, San Francisco
- **Christophe Z Guilmoto**, CEPED/IRD, Paris, French

RESEARCH MONOGRAPHS, CHAPTERS IN COLLECTIVE VOLUMES

- ❖ Socio-economic and regional disparity in immunization coverage of children in India, IIPS Research Brief, Nov 2022
- ❖ A review of the Data Quality Assurance Protocol of Registered, Program and Administrative Data in India". India Report, 2021 by Population Council, New Delhi
- ❖ Research Assistantship provided in "Review of the Data Quality Assurance Protocol of Registered, Program and Administrative Data in India". India Report, 2021 by Population Council, New Delhi
- ❖ Trends in immigration from Bangladesh to Assam, 1951–2001: evidence from direct and indirect demographic estimation. IMDS Working Paper Series, 1-20
- ❖ Immigration and Bengali population in Assam (2020): Evidence from Direct and Indirect Demographic Estimation in *Population Dynamics in Eastern India and Bangladesh*, Springer Publication, by Chattopadhyay, Aparajita, Ghosh, Saswata (Eds.), 393-416
- ❖ Research Assistantship provided in District Level Household and Facility Survey (DLHS-3), 2007-08 India report, 2010 by International Institute for Population Sciences, Mumbai.
- ❖ Research Assistantship provided in WHO Study on global AGEing and adult health (SAGE), Wave 1 India report, 2013 by the International Institute for Population Sciences, Mumbai.
- ❖ Developed Monitoring, Evaluation, and Learning (MEL) framework for the PHFI-USAID funder PIPPSE Project
- ❖ Developed Monitoring & Evaluation Database Management tool operational guideline for NACO
- ❖ Research Assistantship in the development of the PIPPSE Project annual report writing for USAID

ORGANISATION OF SCIENTIFIC MEETINGS/CAPACITY BUILDING TRAINING/RESOURCE PERSON

- 25-27th Aug 2025:** Resource person for the three-day capacity building workshop for CINI staff on 'Smart PowerPoint presentation and Data Visualization using Microsoft Power BI, organized by *Child in Need Institute (CINI)*, West Bengal, India
- 9th June 2025:** Resource person and delivered a talk on "Research/survey data analysis and modelling using STATA Software for the One Week Faculty Development Programme (Hybrid mode) held during 2-9 June 2025 on "Trends, Transformative Learning and Applied Research in the field of Social Science and Humanities", organized by the Amity Institute of Social Sciences (AISS), Amity University, Noida
- 20th May- 7th June 2025:** Guest Lecturer at the Institute of Sociology and Demography, Faculty of Economics and Social Sciences, Ulmenstraße 69 / Building 1, University of Rostock, Germany and delivered

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- lectures on Statistical Meta-Analysis with R/Python on the course 'Population, Globalization and Environment for the BA/MA students of Social and Population Sciences
- 7-8 Mar 2025:** Resource person and delivered a talk on "Introduction and Importance of Analytical Tools In Research, for the 10-day (Mar 1-10, 2025) online national-level workshop organised by Dibrugarh University, Assam
- 27-28 Jan 2025:** Resource person and delivered a talk on a two-day workshop for the use of Kobo Toolbox Software used as a data collection tool for the SHSS centre at IIT Tirupati
- 2-8 Jan 2025:** Resource person and delivered a talk for the 7-day online workshop on MS Excel and Power BI in Data analysis for the PSI M&E Team
- 10-24 Nov 2024:** Resource person for the 15-day Advanced Data Analysis and Visualization using Statistical Tools for a credit course program at the School of Humanities and Social Sciences (SHSS), IIT Mandi for MA students and PhD scholars.
- 12 & 14th Sept 2024:** Resource person for the PhD Course work and delivered talk on- Introduction and uses of STATA Software, Organized by the Dept of Geography, Ramkrishna More College, Akurdi, Pune
- 19-23 August 2024:** Resource person for the five-day Research Methodology Workshop for Social Sciences and Humanities Organizers: Department of Economics, SAC, and Research and Development Cell, St Anthony's College, Shillong, Meghalaya
- 18-31 July 2024:** Resource person for the 12-day Advanced Excel & Power BI program at the School of Management, IIT Mandi for MBA students in Data Science and Artificial Intelligence.
- 28-30 April 2024:** Resource person for the three-day online training workshop "Large-scale Survey Data Analysis using Stata" organized by the Department of Geography, Institute of Science, Banaras Hindu University, Varanasi.
- 29th March & 2nd April 2024:** Resource person in capacity building program on research methodology on the Topic: How to make use of STATA software for data analysis' organized by the School of Education & Research, MIT-ADT University Pune, in collaboration with Adarsha Shikshan Manadali's, Adarsha Comprehensive College of Education & Research, Pune.
- 4-8 March 2024:** Resource person for the capacity-building workshop on statistics and Data Analysis using SPSS Software for research scholars, working professionals, Faculty members, and students, organised by St Anthony's College, Shillong, Meghalaya.
- 26 Feb- 1 March 2024:** Resource person for the workshop on Research Methodology for Capacity Building of The Research Personnel of the State Tribal Research Institutes at the NTRI Campus, New Delhi.
- 17-26 Jan 2024:** Resource person for the 10-day Power BI program at the School of Management, IIT Mandi for MBA students in Data Science and Artificial Intelligence.
- 8-12 Feb/2023:** Resource person for the capacity building & soft skill development program on DHS/NFHS Data Analysis using STATA Software organized by VART Research
- 1-7 Feb/2023:** The coordinator and resource person for the one week of the Online Research Methodology workshop is **organized** by VART research in collaboration with the Department of Statistics and IQAC, BH College, Howly, Assam
- 25-29 Jan/2023:** Resource person for capacity building & soft skill development program on Quantitative data analysis using STATA software

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- 19-23 Jan/2023:** Course coordinator & moderator for the five-day Advanced Data Analysis & Modelling Using SPSS Software organizing by the VART research, in collaboration with the Department of Economics Mahapurusha Srimanta Sankaradeva Viswavidyalaya(MSSV), Nagaon, Assam
- 29-30 Dec/2022:** Course coordinator & moderator for the two days of national-level online training on NSS 75th Round (Health Data): Hands-on practice with STATA software on 29-30 December 2022 organized jointly with the Department of Economics, Government Model College, Deithor Karbi Anglong, Assam. 61 participants from 17 states attended the program
- 24 Dec/2022:** Coordinator & moderator for the webinar on "Scope of Statistics Subject in India and Abroad: Opportunity and Challenges of Modern Statisticians"
- 6-9 Dec/2022:** Resource person in the online training program on Data Analysis Using MS-Excel: Basic to Advance Level
- 1-5 Dec/2022:** Resource person in the online training program on Data analysis using R software
- 19-20 Nov/2022:** Resource person in the online training program on Data Visualization in R
- 15 Sept-30 Oct/2022:** Course coordinator & resource person for Capacity Building & Soft Skill Development Program on Quantitative and Qualitative data analysis using R, STATA, NFHS Data analysis, SPSS, ATLAS.ti software, etc. 90 participants attended.
- 25-31 July/2022:** Coordinator & resource person for the Research Methodology workshop organized in collaboration with the Department of Statistics, Dibrugarh University, Assam. 70 participants from 13 states attended the workshop
- 23-24 July/2022:** Coordinator & moderator for the online workshop on "NSS 75 round health data extraction and hands-on data analysis" Mumbai, India
- May/2022- June/2022:** Course coordinator & resource person for Capacity Building & Soft Skill Development Program on Quantitative and Qualitative data analysis using R, STATA, SPSS, and ATLAS.ti software. 125 participants attended.
- 13-15 May/2022:** Coordinator & resource person for the online training program on "Understanding and analyzing data with Excel for Dalit, EWS & Rural Students. 150 participants attended in Mumbai, India.
- 22-24 April/2022:** Coordinator & moderator for the online workshop on Sampling Techniques & Sample Size Determination. 65 participants attended in Mumbai, India.
- 26-27 Mar/2022:** Coordinator & moderator for the webinar on Qualitative Research Methods: on the topic Qualitative Methods for Measuring Discrimination and Ethnographic Research and Writing Social Science Research. 80 participants attended in Mumbai, India.
- 13-17 Mar/2022:** Coordinator & resource person for the online training program on "Understanding and Analysing DHS/NFHS data using Stata". 25 participants attended on the virtual platform.
- 1-25 Mar/2022:** Coordinator & resource person for the online training program on "Understanding and Analysing Research data with R, SPSS, Stata. 70 participants attended the virtual platform.
- 1-10 Dec/2021:** Coordinator & resource person for the online training program on "Data Analysis using STATA

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& MS-Excel in demographic research data". 75 participants attended the New Delhi, India.

December 18/2021: Coordinator & moderator for the webinar on Qualitative Methods in Social Science Research: An Overview. 70 participants attended the New Delhi, India.

13-19 Aug/2021: Resource person for the one-week online training program on "Data analysis using STATA software in research". 60 participants attended, Assam, India.

4-10 Jan/2021: Resource person for the one-week online student training program on "Data analysis using MS-Excel and SPSS software in research". 90 participants on the virtual platform.

MENTOR/REVIEWER/EDITOR

Mar/2023 –Present: Academic Editorial Board member of **PLOS Global Public Health** Journal.

Apr/2022 –Present: Academic Editorial Board member of **PLOS ONE** Journal.

Mar/2018 –Present: Academic Reviewer of Scientific Journals: Population Studies, Population, PlosOne, PLOS Global Public Health, BMC Pediatrics, BMC Geriatrics, Spatial Demography, Genus, BMC Public Health, International Quarterly of Community Health Education, Archives of Public Health, Humanities and Social Sciences Communications, Applied Spatial Analysis and Policy, Journal of Population and Social Studies, Springer Nature, Scientific Reports, Environmental Health Insights etc.

June/2022 –Mar 2023: Statistical Mentor for Second Manuscript Writing Program: on Tobacco/Hypertension using NFHS-5 data, Organized by the Resource Centre for Tobacco Control (E-RCTC) Department of Community Medicine & School of Public Health, PGIMER, Chandigarh, India.

Jan-June 2025: Coordinator and mentor for the Manuscript Writing Program Cohort 1.0, organized by VART Research, Mumbai among young research scholars which focusing on public health and inequality and working with large-scale datasets like NFHS, NSS, IHDS, and others to address critical global challenges in alignment with the SDG 2030 Goals.

MEMBERSHIPS OF SCIENTIFIC OR LEARNED SOCIETIES

- ❖ Professional membership in the International Union for the Scientific Study of Population (IUSSP)
- ❖ Annual membership in the European Association for Population Studies (EAPS)
- ❖ Professional life membership in IIPS Alumni Association (IIPSAA), Mumbai, India

CONFERENCE

- Presented paper on " Trends and determinants of Orphanhood among children and youths under age 18 in India" at the Conference on Population Dynamics in India, the World's Most Populous Country During May 10-11, 2023, at New York University, Abu Dhabi.
- Presented paper entitled "Treatment Seeking Behavior and Utilization of Health Care Services for Child Morbidities in India: Evidence from NFHS Data" in the International Seminar 2022 organized by the International Institute for Population Sciences (IIPS) from 10th-12th March 2022 on the virtual platform.
- Presented paper entitled "Magnitude and risk factors of violence against adolescents: Evidence from UDAYA study in Bihar and Uttar Pradesh "in IPC 2021 held on December 6, 2021, on the virtual platform.
- Presented paper entitled "The persistent influence of caste on under-five mortality: Factors that explain the caste-based gap in high focus Indian states" and participated as a discussant in the 2nd IUSSP Population, Poverty and Inequality Research Conference in collaboration with EU-AFD Research Facility on Inequalities in Paris, held on December 9, 2020.

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- Presented paper on " Factors explaining regional variation in under-five mortality in India: evidence from NFHS-4 "in EAPS Health, Morbidity, and Mortality workshop on "A broken promise", in Evora, 21 - 23 September 2020.
- Presented research paper entitled "Factors Explaining Regional Variation in Under-Five Mortality in India: An Evidence From NFHS-4" for oral presentation in the National Seminar on "Population, Health and Sustainable Development Goals: Performance and Prioritizing Policies" held on 13-15 February 2020 at Patna University, Patna.
- Presented two research papers titled 1) Sex and regional disparities in neonatal and under-five mortality in India and 2) Sex disparities in childhood morbidities in India: evidence from NFHS data in the workshop on "Mapping Gender Discrimination in India" on 16–17 December 2019 jointly organized by CEPED, Paris; Centre des Sciences Humaines, Delhi and Jawaharlal Nehru University, Delhi.
- Presented poster paper on "Neonatal and under-five mortality rate in Indian districts with reference to Sustainable Development Goal 3" in International Symposium " Global Sustainable Development Goals in a Mediatized World "held at *Austrian Academy of Sciences, Vienna, Austria*, 4-5, April 2019.
- Presented oral paper on "Under-five mortality in Indian districts: A comparative study between deprived and non-deprived castes in India" at the 9th Demographic Conference of "Young Demographers "held at *Charles University in Prague*, 15th-16th February 2018.
- Presented oral paper on "Contribute of education to Infant and under-five mortality disparities among caste groups in India: Evidence from nationally representative surveys" in the session on "Mortality, Gender and Empowerment of Women" at the *European Population Conference (EPC 2018)* held in *Brussels, Belgium*, 6-9 June 2018.
- Presented poster paper on "District level determinants of Infant mortality in India: Does the presence of marginalized people matter? For International IUSSP Seminar on Mortality Analysis and Forecasting held at JNU New Delhi, India, 6-8 April 2017.
- Presented poster paper on "Disability divide in India: evidence from the Census 2011" in the 6th Annual PHFI Research Symposium, March 16-18, 2016, New Delhi, India.
- Presented oral paper on "Does increase longevity lead to increasing disability? Evidence from the Indian States" at Indian Health Economics and Policy Association's (IHEPA) 4th Conference, Jaipur, from 13-14 Feb 2015.

SHORT TRAINING/WORKSHOP

- Completed the "Digital and Computational Demography" training course under the International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS), International Advanced Studies in Demography (IDEM) program held on 9-13 November 2020. Training is conducted by the Max Planck Institute for Demographic Research, Rostock, Germany.
- Participated in IDEM course on data visualization on R (<https://www.demogr.mpg.de/go/course-visualization>), conducted by Max Planck Institute for Demographic Research, Rostock, Germany, held online on July 13-17, 2020.
- Participated in online training on COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response, conducted by WHO on April 7, 2020.
- Attended and participated in sub-national population projection discussion followed by R discussion during 13th & 16th Oct 2017 held at VID; W.C., Vienna.
- Attended a talk on- Modeling, Estimating, and Forecasting Population Dynamics: Perspectives and Future Challenges on December 20 2017 held at VID; W.C., Vienna.

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- Completed the course on Survey Sampling online training 2018 organized by The DHS Program - a project of the U.S. Agency for International Development (USAID), contracted to ICF. The training was conducted online from May 1- June 29, 2018.
- Attended as a resource person for the NACO-approved M&E Tool kit training organized by FHI 360 at Vijayawada, Andhra Pradesh, from 3-4 May 2017.
- Attended R training on Human mortality data at JNU as a part of the IUSSP workshop on April 8, 2017.
- Attended the short course on *Air Pollution, Climate & Health: Methods & Modelling* conducted by PHFI in collaboration with Harvard T.H. Chan School of Public Health from 2nd -7th January 2017 at PHFI Gurgaon, India.
- Attended methodological discussion on project proposal at JNU on the topic "Methodological discussion on the project proposal topic Caste and Religion-based discrimination in India's Business Economy: A Study of UP and Bihar" held on October 20, 2016, JNU, New Delhi, India.
- Participated in Skill Building Workshop on Documentation and Monitoring & Evaluation for Technical Support Units in the PIPPSE-supported States during July 20-24, 2015, in New Delhi, India.
- Participated in the "Census Data Dissemination Workshop" organized by the Centre for Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University and the Office of the Registrar General and Census Commissioner, India, held on January 23, 2015, at Jawaharlal Nehru University, New Delhi, India.
- Participated Research Methodology Workshop on "Measuring Discrimination and Social Exclusion" conducted by the Indian Institute of Dalit Studies (IIDS) from 24 -26th September 2014 at Jawaharlal Nehru University, New Delhi, India.
- Participated in the SAS Predictive Modelling Training course from SAS Institute (India) Pvt. Ltd, Mumbai, During 12- 18th October 2010, Mumbai, India.

PERSONAL INFORMATION

Date of Birth: May 10, 1978

Nationality: Indian

Language known: English, Hindi, Assamese, and Bengali

Valid passport: Yes

Country visited: Singapore, China, Austria, Belgium, Czech Republic, Croatia, Germany, France, Slovakia, Hungary, Abu Dhabi, Dubai

I hereby declare that, to the best of my knowledge, the details and information given above are complete and true.

(Dr. Jayanta Kumar Bora)