CURRICULAM VITAE

1. Personal Data:

|  |  |
| --- | --- |
| * Name in Full
 | TAPAN KUMAR CHAKRABARTY |
| * Mailing Address
 | Department of Statistics, North Eastern Hill University, NEHU Permanent Campus, Shillong – 793022, Meghalaya, India |
| * Mobile No.
 | +919436309433 |
| * Email Id
 | tapankumarchakrabarty@gmail.com |

1. Educational Qualification:

|  |
| --- |
| * Received Bachelor of Science Degree with Mathematics from University of Calcutta in 1981.
 |
| * Completed One year Certificate Course in Statistical Methods & Applications with Distinction from Indian Statistical Institute, Calcutta in 1986.
 |
| * Received the Master of Statistics Degree in 1988 from Agra University, India
 |
| * Received Ph.D. from Manipur University, India in 1997.
 |

1. Detail of Ph. D. Degree:

|  |  |
| --- | --- |
| Title of Ph.D. Thesis | Impact of Educational Attainment on Intergenerational Occupational Mobility: A Statistical Study |
| Name of Supervisor | B.M.Singh |
| Year of Award | 1997 |
| Name of University | Manipur University |

1. Present Position:

Associate Professor, Department of Statistics, North Eastern Hill University, Shillong – 793022

1. Research Activities:

|  |
| --- |
| 1. **Research Supervision**
 |
| **Degree and Name of the University** | **Name of the Scholar** | **Subject** | **Title of the Thesis** |  **Date of Award / Circular No.** |
| **Doctor of Philosophy****Manipur University** | **Ksh. Anand Singh** | **Statistics** | **On the Analysis of Duration Data for Demographic Events** | **02.08.2007****(No. MU/9 -46/06/Exam/567** |

|  |
| --- |
| 1. Papers Published/Accepted
2. **Sharma, D. and Chakrabarty, T.K.(2016). On Size Biased Kumarswamy Distribution. Statistics, Optimization and Information Computing, Vol.4, No.3, pp. 252-264.**
3. **Deb, M. and Chakrabarty, T.K.(2016).** [**Functional time series analysis of age-specific fertility rates: visualizing the change in the age-pattern of fertility in India**](https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=DOe2jWoAAAAJ&citation_for_view=DOe2jWoAAAAJ:ldfaerwXgEUC)**. International Journal of Advanced Statistics and Probability, Vol. 4, No.2, pp. 79-89.**
4. **Chakrabarty, T.K.(2014). Deconvolving Kernel Density Estimation of Right Censored Duration data with Recall Errors. American Journal of Applied Mathematics and Statistics, Vol.2, No.6, pp. 416-422.**
5. **Chakrabarty, T.K.. (2014). Forecasting rate of decline in infant mortality in South Asia using Random Walk approximation. International Journal of Statistics in Medical Research, 2014, Vol3, No.3, pp. 282-290.**
6. **Chakrabarty, T. K. (2013). Efficient Estimation of Tail Probability for Anthropometric z-scores using Parametric Bootstrap: Measuring Undernutrition Prevalence among Children under age five from North East India. Assam Statistical Review,**

**Vol 27, No. 2, pp. 96-115.**1. **Chakrabarty,T.K.(2013). Distributional aspects of anthropometric z-scores: revisiting the nutritional deficits among Indian children under age five. Paper presented in the Workshop on Health Inequality in India : Concept, Methods and Evidences” 23-24th July, 2013, Institute of Economic Growth (IEG), Delhi.**
2. **Chakrabarty, T.K.(2013). On forecasting rate of decline in infant mortality in South Asia using Random Walk approximation. Paper accepted for poster presentation in XXVII IUSSP International Population Conference to be held in Busan, Korea, from 26-31 August, 2013.**
3. **Chakrabarty, T.K.(2011). Under-nutrition among Children in India: Evidences of Gender Inequality from North-East India. In *Gender Deprivation and Empowerment of Women* (Edited by De, U.K. and Ghosh, B.N.), Lambert Academic Publishing GmbH & Co., Germany, pp.165-181.**
4. **Chakrabarty,T.K. (2008). Nonparametric Kernel Estimation of Hazard and Density Functions from Duration of Breastfeeding data. Paper presented at European Population Conference 2008, at Barcelona (Spain), 9 – 12 July, 2008, organized by European Association for Population Studies.** <http://epc2008.princeton.edu/abstracts/80319>
5. **Sangeeta, Devi, K., and Chakrabarty, T.K. (2006). Pattern of content selection: An explorative study of local dailies in Manipur. Annals of Library and Information Studies. Vol.53, September 2006, pp.149-157.**
6. **Chakrabarty, T K., Singh, B.M. and Tripathi, T.P.(2006). On the Estimation of Finite Population Transition Probability Matrix. Assam Statistical Review, Vol.20, No. 2, pp. 129-143, Dibrugarh University, Assam.**
7. **Chakrabarty, T.K.& Singh, Ksh. A.(2005). Duration of Breastfeeding in Northeast India : Estimates of Survival Function from Large Scale Health Surveys. Health and Population, Perspective & Issues: 28(3) 108-121.**
8. **\_\_\_\_\_\_\_ (2005). Analysis of Duration of Breast-feeding with Missing Covariate Data. Contributions to Applied and Mathematical Statistics, vol.3, pp. 1-18, Department of Statistics, Gauhati University.**
9. **Chakrabaty, T.K., Tripathi, T.P., and Singh, B.M. (1999). Estimation of Finite Population Transition Probability Matrix Based on Two Stage Sampling Design. Calcutta Statistical Association Bulletin, Department of Statistics, Calcutta University..**
10. **Sharma, B.A., Gartia, R.K., Singh, B. Th. And Chakrabarty, T.K. (2004). Covariances (Inter & Intra) in Dose Reconstruction in Thermoluminescence Dosimetry Based on Iodised Salt. Proceedings of International Conference on Luminescence and its Applications, February 9-12, 2004**
11. **Pai, V.S., Vadivel,V., and Chakrabarty, T.K.(1994). Trends in Handloom Exports: A Strategic Analysis. Decision, Indian Institute of Management, Calcutta, Vol. 21, No. 3, 159-171.**
12. **---------- (1994). Handloom Industry: Study of Export Performance and Policy Measures for Export Performance. Management Review, IIM, Bangalore.**
13. **---------- (1995). Handloom Exports: Performance Analysis of 80s and Strategy for 90s. SEDME, NISIET, Vol. XXII, No. 1, 39-49.**
 |

|  |
| --- |
| (c) Research Collaboration |
| * **Collaborating with the North Eastern Regional Biotechnology Project Management Cell (NER-BPMC) for their ongoing project on “ Impact Assessment of jhumming on native plants and soil microbiota and restoration of sustainable jhum agro-ecosystem in North East India”.**
* **Collaborated with National Institute of Medical Sciences, ICMR, New Delhi, in connection with the preparation of Meghalaya State Level Report on HIV Estimation.**
* **Collaborated with MSJE – UNODC Project Office, United Nations Office On Drugs and Crimes, Shillong, in connection with Statistical Analysis and preparation of reports based on the baseline study on HIV/AIDS related knowledge, attitudes and practices in Meghalaya, Mizoram and Nagaland.**
 |

1. Professional activities:

|  |
| --- |
| 1. Courses taught for Research Scholars/ faculty skill development
 |
| Data Analysis using SPSS 16.0 for Social SciencesIntroductory Statistical Analysis of Biological DataStatistical Methods in Medical & Health SciencesApplications of Computer in Biology Teaching Biology ( Using SPSS for Data Analysis)Probability Distribution, Statistical Analysis using Resampling, Introduction to Bootstrap Theory, Short Term Training Program on Applications of Statistics in Engineering, Management and Applied Sciences (Statistical Inference)(Introductory Statistics Using RTime Series Analysis and Forecasting |

|  |
| --- |
| 1. Conferences/Workshops attended
 |
| **Abroad** * 1. **The 3rd Asian Population Conference organized by Asian Population Association at Kuala Lumpur (Malyasia), during 27-30 July 2015. (Oral Presentation).**
	2. **European Population Conference organized by European Association for Population Studies at Barcelona (Spain), during 9 – 12 July, 2008.(Poster Presentation)**
 |
| **India*** 1. **Platinum Jubilee International Conference on Application of Statistics at Kolkata, during 21-23 December, 2016. (Invited paper)**
	2. **Ninth International Triennial Calcutta Symposium on Probability and Statistics at Kolkata, during 28-31 December, 2015.(Oral Presentation)**
	3. **National Seminar on Poverty, Inequality and Health in Indian with special reference to North-East India, at NEHU, Shillong, during 8-10 October, 2015.(Oral Presentation)**
	4. **Workshop on Health Inequality in India: Concept, Methods, and Evidence, 23-24th July 2013 at Institute of Economic Growth, Population Research Centre, New Delhi. (Presented a Paper)**
	5. **WHO sponsored 3 day regional workshop for the East & North Eastern States on Model Based HIV Estimation held at National Institute of Cholera & Enteric Diseases, Kolkata, during February 19-21, 2007.(Presented a Paper)**
	6. **International Conference on Environmental & Ecological Statistics with Applications during March 21-23, 2007, organised by Indian Statistical Institute, Kolkata.(Presented a Paper)**
	7. **Annual Conference of Indian Association for the Study of Population at Banaras Hindu University, Varanasi during 26-28 October 2007.(Presented a Paper)**
	8. **ISI-MU Winter School on Data Mining and Computational Biology during January 28-February 01, 2008**
 |