Dr. Arindam Gupta

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Research interests	Demography, Occupational Mobility, Operations Research, Growth Curve Modelling, Multivariate Analysis etc.		
Education	Ph.D.	Calcutta University	
	Ph.D.in Statistics 2009 Thesis Titled: Problems Related to Social Processes- A Statistical Study		
	NET- CSIR-UGC		
	JRF	2002	
	M.Sc.	Calcutta University	
	M.Sc in Statistics	2001	
	B.Sc.	Calcutta University	
	B.Sc in Statistics (R.K.M.R. College, Narendrapur)	1999	
Honors	K. Srinivasan Award (Indian Association for Study of Population) 2023		
Guide of Ph.D. Stu- dents	[1] Mr Debashis Samanta	Awarded: November, 2019	
	Title of The Thesis: Analysis Of Life Testing Data Using Step-Stress Model		
	[2] Mrs Anindita Ghosal Title of The Thesis: Development Of No	Awarded: December, 2019 ew	
	Occupational Mobility Models: A Statistical Investigation		
	[3] Mrs Chowdhury Sadeka Nazrin Title of The Thesis: Intimate Partner Vi	Awarded: November, 2022 olence: A Statistical Study	
	[4] Mrs Frahana Yesmin Title of The Thesis: Some Applications ious Growth Curve Inference Problems	Awarded: October, 2023 of Relative Growth Rate in Var-	

	Joint Supervisor: Prof Sabyasachi Bhattacharaya,	ISI. Kolkata	
	[5] Mr Amartya Bhattacharyay		
	Submitted	12.02.2024	
	Title of The Thesis: A Study on Statistical Inference	e in Process Capability	
	Analysis		
	Joint Supervisor: Prof S. S. Maiti, Visva- Bharati		
	Ongoing		
	[1] Suman Kapoor		
	[2] Debjit Konai		
	[3] Sumit Mondal		
	[4] Bristi Bose		
	[5] Arga Nath Bhattacharya		
Teaching experi- ence	Assistant Professor	2007-2009	
	Department of Statistics		
	Vivekananda Mahavidyalaya, Burdwan		
	Assistant Professor	2009-2019	
	The Department of Statistics		
	The University of Burdwan, Burdwan		
	Associate Professor	2019-	
	The Department of Statistics		
	The University of Burdwan, Burdwan		
Publications	[1] Asis Kumar Chattopadhyay and Arindam Gupta. A model based study on the career prospects of individuals in an Indian university. Journal of Statistical Research, 37(2):231-239, 2003.		
	[2] Asis Kumar Chattopadhyay and Arindam Gupta. Study on diffu- sion of rumours through epidemic models under non identical set up. Calcutta Statistical Association Bulletin, 58(3 & 4):263280, 2006.		
	[3] Sudipta Tripathi, Sabitri Kumari, Ashis Chakraborty, Arindam Gupta, Kalyan Chakrabarti, and Bimal Kumar Bandyapadhyay. Micro- bial biomass and its activities in salt-affected coastal soils. Biology and Fertility of Soils, 42(3):273-277, 2006.		

[4] Asis Kumar Chattopadhyay and Arindam Gupta. A stochastic manpower planning model under varying class sizes. Annals of Operations Research, 155(1):41-49, 2007.

[5] Sabyasachi Bhattacharya; Arindam Gupta and Asis Kumar Chattopadhyay. Effect of migration on population growth under dynamical system. Journal of Applied Probability and Statistics, 4(2): 239-253,2009.

[6] Sabyasachi Bhattacharya, Arindam Gupta, and Asis Kumar Chattyopadhyay. Effect of migration on population growth under dynamical system. Journal of Applied Probability and Statistics, 4(2): 239-253,2009.

[7] Arindam Gupta, Sabyasachi Bhattacharya, and Asis Kumar Chattyopadhyay. Exploring new models for population prediction in detecting demographic phase change for sparse census data. Communications in Statistics - Theory and Methods, 41(7):1171-1193, 2012.

[8] Arindam Gupta and Samba Siva Rao Pasupuleti. A new behavioural model for fertility schedules. Journal of Applied Statistics, 40(9):1921-1930, 2013.

[9] Arindam Gupta and Anindita Ghosal. A manpower planning model based on length of service under varying class sizes. OPSEARCH, 51(4):615-623, 2014.

[10] Arindam Gupta and Anindita Ghosal. Occupational mobility among residents of burdwan town and durgapur town. Journal of Statistics Applications &3 Probability, 5(1):141-146, 2016.

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[12] Arindam Gupta; Chowdhury Sadeka Nazrin and Sudhansu Sekhar Maiti. Situation of intimate partner violence - a statistical study. International Journal of Reviews and Research in Social Sciences, 5(2):93-102, 2017. [13] Raju Thapa, Srimanta Gupta, Arindam Gupta, Dontireddy Venkat Reddy, and Harjeet Kaur. Geochemical and geostatistical appraisal of fluoride contamination: An insight into the quaternary aquifer. Science of The Total Environment, 640641(1 November):406-418, 2018.

[14] Raju Thapa, Srimanta Gupta, Arindam Gupta, DV Reddy, and Harjeet Kaur. Use of geospatial technology for delineating groundwater potential zones with an emphasis on water-table analysis in dwarka river basin, birbhum, india. Hydrogeology Journal, 26(3):899-922, 2018.

[15] Arindam Gupta and Anindita Ghosal. Reward structre model for faculty members of indian university. International Journal of Research in Business Management, 7(2):1-12, 2019.

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[17] Arindam Gupta and Chowdhury Sadeka Nazrin. Muslim women in south asia and intimate partner violence- a statistical modelling. International Journal of Research in Applied Natural and Social Sciences, 7(2):51-56, 2019.

[18] Debashis Samanta; Arindam Gupta and Debasis Kundu. Analysis of weibull step stress model in presence of competing risk. IEEE Transaction on Relaibility, 68(2):420-438, 2019.

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[22] Arnab Bandyapadhy; Arindam Gupta and Chowdhury Sadeka Nazrin. Logarithmic estimation strategy in cluster sampling in presence of random-non response and measurement error. Journal of Statistics Applications and Probability, 10(1):135-146, 2021.

[23] Farhana Yeasmin; Ranadeep Daw; Bratati Chakraborty; Arindam Gupta; Sabyasachi Bhattacharya and Biman Chakraborty. A new growth rate measure in identifying extended gompertz growth curve and development of goodness-of-fit test. Calcutta Statistical Association Bulletin, 73(2):127-145, 2021.

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[26] Arindam Gupta Arnab Bandyapadhya and Chowdhury Sadeka Nazrin. Development unbiased estimation strategy for population mean through two-occasion successive sampling scheme. Journal of Statistical Approaches in Research, Vol. 1, 98-112, 2023.

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	[31] Arindam Gupta Ardhendu Banerjee and Asis Kumar Chattopad- hyay. Estimation of undocumented migration - a model based approach. Submitted.
	[32] Arindam Gupta Ardhendu Banerjee and Asis Kumar Chattopad- hyay. Psychosocial Stress Model of Fertility. Submitted.
Project Completed	Title: Study of Mobility pattern over socio-economic categories: A model based Approach Scheme: SERC Fast Track Scheme for Young Scientist in Mathematical Science Agency: Department of Science and Technology, Govt of India Amount Sanctioned: 3.5 L Duration: 3 Years (2012-2015)
	Title: Development of Effective Estimation Strategies for Socio Economic, Agriculture and Health Care Parameters in Presence of Non Response Situations and their Applications in Real Life Problems in India Scheme: Extra Mural Research Agency: Department of Science and Technology, Govt of India Amount Sanctioned: Rs 1339040/- Duration: 3 Years (2017-2020)