VART
Research - Consulting - Training

ONE WEEK ONLINE WORKSHOP
ON
RESEARCH METHODOLOGY

JULY 25-31, 2022

Organized By

VART Research, Delhi-NCR & Mumbai, India
In Collaboration with
Department of Statistics, Dibrugarh University, Dibrugarh, Assam

QR CODE FOR REGISTRATION

Nature of participants

This workshop is for Graduate/ Masters, M.Phil.and Ph.D.scholars, Faculties, Researchers working in colleges /institutions/universities/organizations, NGOs & Independent researchers who are working or wish to work in Quantitative and Qualitative research, data management, and data analysis in their research work.

WORKSHOP COORDINATORS

REGISTRATION LINK: HTTPS://FORMS.GLE/3MWK9FXDBN2JM6SF6

Registration Fees:
- For faculty members/working participants: INR 3000/-
- For student/M.Phil. /Ph.D. scholars: INR 2000/-

REGISTRATION DEADLINE: 10TH JULY 2022

Benefit

- Registered participants will be given e-certificates
- Relevant reading and study material for all sessions will be provided to the registered participants

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About VART

The VART is a new venture of the academic, social research, and data science sector registered in 2019 under the Ministry of Corporate Affairs and Ministry of Micro, Small & Medium Enterprises (MSME), Govt of India. In 2021, VART was recognized as a "Startup" (#startupindia: DIPP84613) by the Department for Promotion of Industry and Internal Trade (DPIIT), Govt of India. Our mission is to provide value-added training and research service to the client. We aim to skill the youths through various analytical and software training and programs to strengthen the country's youth professionals. Our vision is to develop competitive and competent individuals in the research and analytical domain who will be assets for developing the research community in the country. Since its inception, we have provided various capacity building & soft skill development programs through virtual mode and completed more than 35 batches of training programs (with more than 900 participants) which has empowered many students, M.Phil./Ph.D. scholars, academicians, individuals, and other researchers to upgrade their research skills. For details, please visit www.vartindia.com.

About the Department of Statistics, Dibrugarh University

The Dept. of Statistics was established in 1967 with Dr. S.N.N. Pandit as the founder Professor & Head. Currently, the department has eleven (11) full-time, well-qualified faculty members – four Professors, one Associate Professor, and six Assistant Professors. The department has been recognized for its contribution towards the cause of the subject and has so far received financial assistance under DST-FIST (2004-2009), UGC Innovative Programme (2007-2012), SAP-DRS-I of UGC (2009-2014), SAP-DRS-II of UGC (2015-2020). Thrust areas of research in the department include Probability Distribution, Medical Statistics, Statistical Inference, Simulation, Quality Control, Demography, Econometrics, and Statistical Ecology. The department has had its peer-reviewed research journal "Assam Statistical Review" (ASR) since 1987.

The objective of the workshop

During the COVID-19 pandemic, the virtual academic engagement is resultant more productive and gives a better outcome. Keeping in view of the immense benefits of the online workshop in the present educational set-up, The VART research in collaboration with the Department of Statistics, Dibrugarh University, Assam, is pleased to offer a One Week Online Research Methodology Workshop for the faculty members, research scholars, researcher and academic fraternity in the country from July 25-31, 2022. The workshop aims to bring together faculties, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Research Methodologies and data analysis. It also provides a premier interdisciplinary platform for researchers and educators to present and discuss the most recent innovations, methods, concerns, practical challenges encountered, and solutions adopted in qualitative and quantitative research methods and data analysis. The workshop is also intended to strengthen scholars, researchers, and faculties in analytical skills by providing a blend of conceptual learning and hands-on practical sessions on statistical software like R, STATA, SPSS, and qualitative data analysis software NVivo & QGIS geospatial data analysis software. These analytical skills help the researcher in their research work and research dissemination.

The expected outcome of the workshop

At the end of the workshop, the participants would be able to:
- Understand the different methods of Qualitative and Quantitative research
- Understand the different Sampling Techniques & Sample Size Determination
- Introduction and work on the statistical data analysis software's like SPSS, STATA, and R
- Introduction and hands-on practice on Qualitative data analysis using NVivo software
- Understand the QGIS geographic information system application that supports viewing, editing, and analysis of geospatial data
- Understanding and knowledge about the dissemination process in a good impact factor peer-reviewed journal

Methodology
The methodology of the workshop will be in virtual mode and comprise:
- Online lecture
- Participatory discussion with Q&A
- Demonstrations
- Exercises and data analysis sessions using SPSS/STATA/R software
- Exercises and data analysis using NVivo & QGIS software

The course content of the workshop

Days	Morning session: 10.30 am - 12.30 pm	Evening session: 5-7 pm
Day1, Monday (July 25, 2022)	10-10.15 am: Inauguration of the workshop 10.15-10.25 am: Keynote Address 10.30 am-12.30 pm • Fundamental of statistics and Test of Significance **Dr. Labananda Choudhury** Professor (Retd.) Department of Statistics, Gauhati University & Senior Advisor of VART Research	• Descriptive analysis using SPSS **Dr. Manash Pratim Barman** Associate Professor Department of Statistics, Dibrugarh University
Day2, Tuesday (July 26, 2022)	• Overview of Correlation & Regression Analysis **Dr. Jiten Hazarika** Professor, Department of Statistics, Dibrugarh University	• Test of significance and Correlation & Regression Analysis using SPSS **Dr. Manash Pratim Barman**
Day3, Wednesday (July 27, 2022)	• Overview of Qualitative Research Methods **Dr. Sanghmitra S Acharya** Professor, Centre of Social Medicine and Community Health School of Social Sciences, JNU, New Delhi	• Qualitative data analysis using NVivo **Dr. Manas Ranjan Pradhan** Assistant Professor, International Institute for Population Sciences (IIPS), Mumbai.
Day4, Thursday (July 28, 2022)	• Overview and data analysis using STATA- I **Dr. Jayanta Kumar Bora** Founding & Executive Director VART Research, Mumbai, India	• Data analysis using STATA- II **Dr. Jayanta Kumar Bora**
Day5, Friday (July 29, 2022)	• Overview of systematic literature review **Dr. Kuldeep Goswami** Assistant Professor Department of Statistics, Dibrugarh University	• How to write a good scientific research paper **Dr. Nandita Saikia** Professor, Department of Public Health and Mortality Studies International Institute for Population Sciences (IIPS), Mumbai
Day6, Saturday (July 30, 2022)	• Overview and working with QGIS **Dr. Kunal Keshri** Assistant Professor G B Pant Social Science Institute, Allahabad, Uttar Pradesh, India	• Sampling techniques & sample size determination **Dr. Dharmendra Kumar Yadav** Assistant Professor NIHFW, New Delhi
Day7, Sunday (July 31, 2022)	• Overview and data analysis using R- I **Dr. Jayanta Kumar Bora**	• Data analysis using R- II **Dr. Jayanta Kumar Bora** **Validatory session: 6.30-7 pm**

About Resource Persons

Prof. Jiten Hazarika is presently serving as the Registrar, Dibrugarh University, and is the Professor of the Department of Statistics, Dibrugarh University. He was the former Dean of Student Affairs of Dibrugarh University. He has many academic distinctions and international recognition. Under his supervision, 20 Ph. D., 11 M. Phil. degrees awarded, and 57 M.Sc. students had completed their project work. He has published 124 different research works in various peer-reviewed journals, books, and conference proceedings. One of the Recent Awards he received is Academisthan's Teacher of the Year Awards for 2021 in the North-East Category by Academisthan Foundation for work, dedication, and contribution towards the development of the young minds and future of India.

Dr. Sanghmitra S Acharya is a Professor in the Centre of Social Medicine and Community Health, School of Social Sciences, Jawaharlal Nehru University, New Delhi. Prof Acharya guided 28 M.Phil., 4 MPH, and 27+ Ph.D. students. She has taught at International Institute for Population Sciences from 1990-to 99 and was Director Indian Institute of Dalit Studies, New Delhi, from 2015 to 2018. She has been a Visiting Fellow at CASS, China; Ball State University, USA and UPPI, Manila, The Philippines; East-West Center, Honolulu, Hawaii; and the University of Botswana. She was awarded an Asian Scholarship Foundation fellowship in 2005; and the Shastri Indo- Canadian Grant in 2019-20. She has published in peer-reviewed journals on health and discrimination issues with a focus on young people, women, and children. Her recent work includes 'Marginalization in Globalizing Delhi- Issues of Land, Labour and Health' (2017) and Health, Safety and Well-Being of Workers in the Informal Sector in India- Lessons for Emerging Economies (2019), both published by Springer. She is in many Govt and institutional bodies across the country.

Dr. Labananda Choudhury worked as a Professor and HOD in the Department of Statistics, Gauhati University. He also served as an Honorary Director PRC, Guwahati, and Dean of Faculty of Science, Gauhati University. He has about 60 research papers published in various national and international journals and 3 books authored for degree students having Statistics as a subject. Also, he has guided 15 Ph.D. scholars during his service time. He is also Senior Advisor of VART Research.

Dr. Nandita Saikia is a professor in Public Health and Mortality Studies at IIPS, Mumbai, with ten years of expertise in teaching and research. Before joining IIPS, she was an Assistant Professor in Population Studies at the Centre for Study of Regional Development, Jawaharlal Nehru University. Dr. Saikia has published extensively on population health issues in internationally reputed journals such Lancet Global Health, PlosOne, Population Studies, Demographic Research, Population Space and Place, EPW, JBS, SSM-Population Health, Tropical Medicine and International Health, etc. She has also contributed chapters to several edited books published by Springer. Under her supervision, 8 MPhil and 13 Ph.D. students defended their Ph.D. dissertations. Prof Saikia has been awarded various prestigious international scholarships and serves as a referee in many prestigious journals on Population Studies and Public Health. She writes articles for various national-level newspapers or magazines. Prof Saikia is acting as an academic editor in PLos Global Health.

Dr. Dharmendra Kumar Yadav is presently working as Assistant Professor at the Department of Statistics & Demography, National Institute of Health & Family Welfare (NIHFW), New Delhi, India. He is also the Nodal Officer of the Centre for Health Informatics (CHI), a technical wing of MoHFW, Govt. of India. Dr. Yadav is the Fellow of the Royal Statistical Society (FRSS), London, UK, and an Elected Member of the International Statistical Institute (ISI), Netherlands. His fields of specialization are Artificial Intelligence, Machine Learning, Health Informatics, Computational Statistics, and Sampling theory. He has more than 25 research publications in various journals of national and international repute. He has been the editor of 6 edited books and contributed 13 chapters to various books. For his outstanding research, Dr. Yadav has received InSc Research Excellence Award-2020 by the Institute of Scholars (InSc) Bangalore, India. Recently he received the Excellent Presentation Award at FIM international conference-2021 at Waseda University, Japan.

Dr. Manash Pratim Barman is working as an Associate Professor Department of Statistics, Dibrugarh University, Assam. He is also performing the responsibility of Editor, Assam Statistical Review, a peer-reviewed journal published by the Department of Statistics, Dibrugarh University. He has completed his M.Sc. (Statistics) and Ph.D. from Dibrugarh University. He has completed a Master of Population Studies from IIPS, Mumbai. He has also completed PGDCA and PGDOR. Before joining Dibrugarh University, he worked as a statistician at Regional Medical Research Centre (ICMR). He has published research articles in national and international level peer-reviewed journals. He has also authored one textbook in Statistics. Till now, he has guided 8 M. Phil and 3 Ph.D. scholars. His research interest is Bio-statistics, Population Statistics, and Multivariate Statistics.

Dr. Manas Ranjan Pradhan is Assistant Professor International Institute for Population Sciences (IIPS), Mumbai. Dr. Pradhan has Ph.D. & M. Phil. in Population Studies from IIPS, Mumbai, and a Master's Degree in Sociology from Ravenshaw University, Cuttack, and proficiency in many analytical software packages often used in population and health research. A proactive professional has twelve plus years of experience teaching, designing research studies, monitoring & evaluation, quantitative & qualitative data analysis, report writing, and training. Moreover, he has published research articles in international and national level peer-reviewed journals, presented research papers in international and national seminars/conferences, and awarded competitive fellowships.

Dr. Jayanta Kumar Bora has 15+ years of experience as a Demographer & Public Health Expert with expertise in the Statistics and Data Science domains. He is currently working as a Founding & Executive Director at VART. He has more than 20 papers in peer-reviewed international journals under his credit and is the academic editor of PLOS One Journal. He also has more than five years of teaching experience in research methodology and data analysis. He has extensive and diverse experience in working with the organizations like IIPS, and PHFI with more extensive development projects such as Reproductive and Child Health Care (DLHS2&3), HIV/AIDS intervention program with the Ministry of Health and Family Welfare, India, WHO Global Ageing and Adult Health Study (SAGE), etc. He also worked for organizations like TNS International, AON, and various social and market research projects. He also has experience in large-scale data handling, designing M&E toolkits, and serving as a resource person in different soft skill and capacity building training and research program. He was also associated as a researcher with the University of Economics and Business (WU), Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU), Vienna, and the International Institute for Applied Systems Analysis (IIASA), Austria, since August 2017 to September 2019.

Dr. Kuldeep Goswami is currently working as an Assistant Professor at the Department of Statistics, Dibrugarh University, Assam. Dr. Goswami earned his M.Sc. and Ph.D. in Statistics from Dibrugarh University, respectively, in 2014 and 2018. Before joining Dibrugarh University, he held numerous positions at various institutes, including Scientist B at the ICMR-RMRC, NE Region, Dibrugarh, and Assistant Professor at CKB Commerce College, Jorhat. His research interests include time series analysis, hydroclimatology, Regression Analysis, Econometrics and GIS and Remote Sensing, etc. He has 13 research articles and book chapters in peer-reviewed reputed journals and edited books to his credit. Dr. Goswami is also an editor of an edited research book of the Department of Statistics, Dibrugarh University, published by the Registrar, Dibrugarh University. He also has considerable experience with statistical applications such as R and SPSS.

Dr. Kunal Keshri is currently working as Assistant Professor at G B Pant Social Science Institute, Prayagraj. He attained his Master's Degree in Geography from Delhi School of Economics, University of Delhi. He obtained his M.Phil. and Ph.D. in Population Studies from International Institute for Population Sciences (Deemed to be University), Mumbai. His research areas include migration and development, urbanization and environment, and public health, focusing on nutrition, maternal and child health, and population ageing. He has published three books and more than 20 research papers in reputed international and national journals and edited books. He has been a consultant to UNFPA and Population Council. He is a registered collaborator from India in the Project "International Migration around the Globe (IMAGE)," Funded by the Queensland Centre for Population Research, Queensland, Australia.

Note

After successful registration, the participants will receive a confirmation via email. An official "Whatsup" group has been made for communication with the participants. The link to join the official group will be provided in the confirmation mail.