

**22-24 NOVEMBER 2022**  
9:00 am - 5:00 pm

**COURSE FEE: BDT 9,000**

**VENUE:**  
BRAC JAMES P GRANT SCHOOL OF PUBLIC HEALTH

**THREE DAY SHORT COURSE ON**  
**QUANTITATIVE DATA**  
**ANALYSIS USING STATA**

**ABOUT THE COURSE**

Quantitative research, the most popular concurrent method of conducting a research is defined as a systematic investigation of phenomena by gathering quantifiable data and performing statistical, mathematical, or computational techniques. Quantitative research is widely used in psychology, economics, demography, sociology, marketing, health, human development, gender studies, and political science. STATA is one of the most commonly used statistical software for data analysis of quantitative research which is used by academics, researchers, public health practitioners and many others. It is a complete, integrated software package which provides everything that data science needs, including data management, statistics, visualization, and automated reporting.

In response to the growing demand for training in statistical methods and use of statistical software, this course is the first one of a series of courses to be offered by Centre for Professional Skills Development in Public Health (CPSD) on application of STATA. It is a three-day course which is designed with a view to helping academics, researchers, analysts and professionals coming from different backgrounds to learn statistical computing and apply this knowledge in their respective fields.

This course is expected to provide participants with an introduction to STATA including data management, performing statistical analysis such as descriptive statistics, statistical tests and regression modeling, producing and interpreting statistical tables and graphs to display quantitative information.

**DURING THE COURSE YOU WILL LEARN**

- How to use statistical techniques to answer real-life quantitative research questions
- Basic data management skills using STATA
- Both basics and more advanced aspects of STATA techniques to produce statistical outputs
- Creating and interpreting tabular and graphical displays of statistical information
- Applying inferential statistical techniques to test specific research hypotheses
- The concept and application of linear and logistic regression models

**WHO CAN APPLY FOR THIS COURSE?**

This course is designed for academic researchers, public health professionals, market analysts and Government/NGO employees who deal with different types of quantitative data arise from different research projects and programmes. Graduate students and PhD candidates who need to apply statistical tools for their thesis will also find this course useful. The course will also be of interest to non-academic participants who apply data analysis from an econometric perspective. Indeed, this course is suitable for any enthusiastic learner who wishes to be good at quantitative research.

Participants are requested to bring their own **LAPTOP** (64 Bit Operating System) during the course. Wi-Fi facilities are available. Basic Computer Skills and Statistical Knowledge are required.

This is a non-residential **IN PERSON** course.  
The course fee includes training materials, tea, snacks and lunch

**COURSE FACILITATOR**



**Dr Malay Kanti Mridha** is a Professor of the BRAC James P Grant School of Public Health, (BRAC JPGSPH) BRAC University. He is also the Director of the Center of Excellence for Non-communicable Diseases and Nutrition. He received MBBS in Medicine and Surgery from Chittagong University, Bangladesh, in 1997; MSc in Nutrition from Dhaka University, Bangladesh in 2001; MSc in Health Economics from Dhaka University, Bangladesh in 2002; MPH in Reproductive Health from State University, Bangladesh in 2007; and Ph.D. in Nutritional Biology with a Designated Emphasis in International and Community Nutrition from the Department of Nutrition of the University of California, Davis in 2014.

Before joining BRAC University, he worked for various organizations including Chittagong Medical School, BRAC, Bangladesh Women's Health Coalition, Bangladesh Diabetic Association, HIV/AIDS and STD Alliance, Bangladesh, Concern Worldwide, icddr,b and the University of California, Davis. He worked as a program manager, technical expert, researcher and/or teacher for these organizations. His research areas included maternal, newborn and child health, nutrition, health system, HIV/AIDS and STI and non-communicable diseases. His current responsibility in the BRAC University involves teaching biostatistics and non-communicable diseases.



**Dr Md Tanvir Hasan** is currently an Associate Professor and Co-Director of Research at BRAC James P Grant School of Public Health (BRAC JPGSPH), BRAC University. He is also the Co-director of Centre of Excellence for Urban Equity and Health (CUEH) at JPGSPH, BRAC University. He has more than 10 years of teaching and research experience. He teaches Biostatistics (MPH 521) and Gender, Sexual and Reproductive Health and Rights (MPH 660) in the Master of Public Health (MPH) Programme. He holds a PhD from the University of Queensland, Australia. He also holds a Master of Science and a Bachelor of Science degree in Applied Statistics from the University of Dhaka, Bangladesh.

Associate Prof Tanvir Hasan's research work mostly focuses on maternal and child health, sexual and reproductive health and rights, violence against women and girls, stigma and discrimination against people living with HIV/AIDS, and health and well-being of vulnerable population groups including persons with disabilities. His expertise is in advanced statistical analysis, mixed methods research, evaluation research and spatial epidemiological research.

The facilitators for the course includes experts and highly experienced researchers and statisticians from Institute of Statistical Research & Training (ISRT), University of Dhaka and BRAC JPG School of Public Health, BRAC University.

**REGISTRATION DEADLINE: WEDNESDAY, 16 NOVEMBER 2022**  
**COURSE FEE SUBMISSION DEADLINE: SUNDAY, 20 NOVEMBER 2022**  
**SEATS ARE LIMITED, FIRST COME, FIRST SERVE BASIS**

**HOW TO APPLY**

Please follow this link: <https://forms.gle/JM9fJV0KRgcvqvF89> to complete the **REGISTRATION FORM** and submit by **WEDNESDAY, 16 NOVEMBER 2022**. You will be notified about the payment method when your application is accepted.

Your seat will be confirmed upon completion of full payment. **If you have any queries please contact**

**Mobile: 01843 903011 (Munir), Email: cpsd@bracu.ac.bd**

Organised by

**Centre for Professional Skills Development in Public Health (CPSD)**  
**BRAC James P Grant School of Public Health (JPGSPH)**

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