







21 & 25 September 2022
9:00 am - 5:00 pm

COURSE FEE: BDT 8,000

SHORT COURSE ON INTRODUCTION TO

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

ABOUT THE COURSE

Quantitative data analysis skill is one of the most valuable skills for the professionals in the areas of health, economics, sociology, and marketing sectors. Research organizations and academic institutes globally are shifting towards coding based statistical software like R and Python from SPSS. The statistical software  is a powerful programming language widely used for quantitative data analysis including both statistical computing and graphics generation. In response to the growing demand for data analysis using , this course is the first one of a series of courses to be offered by CPSD on  software. It is a two-day course that is designed with a view to helping academics, researchers, data analysts and professionals coming from different backgrounds to learn data analysis using  and apply this knowledge in their respective fields.

ABOUT

Unlike some other statistical packages like SPSS and Stata, R is an open-source programming language, therefore, globally, academics, researchers, public health practitioners, and many other professionals now-a-days prefer R over other commercial software. R is a complete, integrated software package, which provides everything that data science needs, including data management, data analysis, visualization, and automated reporting. Additionally, R is one of the most powerful statistical software for creating customizing data visualization structure such as graphs, charts, maps, and many others.

DURING THE COURSE YOU WILL LEARN

- Installation of R, R Studio and different R packages
- Use of common base R functions
- Basic data management and manipulation skills using R
- Use of tidy verse packages in data management and statistical analysis
- Data visualization (creating different types of graphs, charts, etc.) using ggplot2 package
- Applying different inferential statistical techniques (e.g., one- and two-sample tests for mean and proportion, analysis of variance, etc.)

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 research projects as well as who are going to apply for higher studies in developed countries will also find this

course useful. The course will also be of interest to non-academic participants who have to analyse data and present research findings using intuitive visual aids to a wider group of audience like program personnel, and policy makers. Indeed, this course is suitable for any enthusiastic learner who wishes to be good at quantitative research. It is **NOT** required to have the prior knowledge of any statistical software to attend the course.

COURSE INSTRUCTOR



Dr Mehedi Hasan is a Public Health professional with more than six years of experience in research and teaching. He completed his MBBS from Dhaka Medical College and MPH from BRAC JPGSPH. Dr. Hasan is experienced in designing and implementing Epidemiological studies and performing statistical analysis using R. He has implemented the first round of a nationwide surveillance project for cardiovascular disease and diabetes. His

research interest includes the Epidemiology of Non-communicable diseases (NCDs). He published 35+ research articles in international peer-reviewed journals. Dr Hasan is currently working as a Senior Lecturer at BRAC JPGSPH. He received the 'Best Teaching Excellence Award' (2021) and 'Best Teaching Fellow Award' (2017) for teaching MPH students at BRAC JPGSPH. He is a prospective PhD student at the Florida International University.

COURSE FACILITATOR

The implementers for the course include 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: MONDAY, 12 SEPTEMBER 2022
COURSE FEE SUBMISSION DEADLINE: SUNDAY, 18 SEPTEMBER 2022
SEATS ARE LIMITED, FIRST COME, FIRST SERVE BASIS

Participants are requested to bring their own LAPTOP (64 Bit Operating System) during the course. Wi-Fi facilities are available.

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

HOW TO APPLY

Please follow this link: <https://forms.gle/xxxxxxxxxxxxxxxxxxxx> to complete the **REGISTRATION FORM** and submit by **MONDAY, 12 SEPTEMBER 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) Phone: +880-2-48812213-18, Ext: 104. 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)

6th Floor, Medona Tower, 28 Mohakhali Commercial Area, Bir Uttom A K Khandakar Road, Dhaka-1213, Bangladesh
Phone: +880-2-48812213-18, www.bracjpgsph.org