



# Indian Institute of Public Health – Delhi

## Public Health Foundation of India

Plot 47, Sector 44, Institutional Area, Near HUDA City Centre Metro Station, Gurugram-122002, Haryana, India



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### Workshop Series 2022- 23

## Online Workshop on Epidemiological Analysis and Visualization of Outbreak Data in Excel and R December 19-21, 2022

Last date of registration: 6<sup>th</sup> Dec 2022

Course Lead Faculty: Dr. Surabhi Pandey, Associate Professor, Indian Institute of Public Health-Delhi  
Resource Faculty: Dr. Ashish Awasthi, PHFI and CCDC, New Delhi

Link to registration form: <http://tof.phfi.org/>

### About the course

This workshop will be focused on how to analyse the data during an outbreak of a disease or epidemic. Epidemic/outbreak data will be used for analysis. However, concepts can be applied to any data from the seasonal outbreak of infectious diseases as well. Basic knowledge of programming in R is pre-requisite. **This is an online workshop that will be facilitated on CISCO WebEx at IIPH-Delhi Platform.**

### Contents

- Epidemiological Data Analysis of disease outbreak
- Population projections using census data
- Hands on in Excel with reported data
- Visualization of Epi-indicators in Excel/R-Studio
- Geo-spatial visualization of disease data in R-Studio

### Note: Participants are expected to;

- have their laptop with R and R-studio installed
- have stable internet connection

### About the Faculty

**Dr. Surabhi Pandey**, Associate Professor is PhD in Mathematics and specialized in Infectious Disease Modelling (IDM). She has 12 years of experience in teaching Maths, Programming and IDM in UG and Masters Course. Her research interest is in theoretical and computation modelling of infectious diseases and data analysis.

**Dr. Ashish Awasthi**, is a seasoned researcher having Ph.D. and has teaching and training experience at various level. He has an equal interest in Biostatistics and Epidemiology and serves on the editorial board of many journals of repute. He has an affiliation with PHFI as well as CCDC, New Delhi.

### Who should attend?

This workshop is suitable for anyone who wants to upgrade their skill of data analysis, visualization and scientific communication of disease outbreak or health data.

### How to Apply?

Interested participants may [Apply Online](#) and submit online registration form or write an email to [trainings@iiphd.org](mailto:trainings@iiphd.org). The fee will be submitted by E-transfer, the **bank details for E-transfer will be shared upon applying for the workshop.**

### Registration Fee:

Indian National: 6400 INR per participant	Foreign National: 12800 INR per participant
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\* We have limited seats available; registrations will be confirmed on a first come first serve basis.