



Commemorating 125th Birth Anniversary Year of
Professor Prasanta Chandra Mahalanobis
(Founder of Indian Statistical Institute)



North-East Workshop on

Data Analytics for Medical and Healthcare Professionals

With a focus on Statistically Conducting and Defending Medical Studies

Last Date for Registration
12th February, 2018

During
21 - 23 March, 2018

Confirmation of Registration
19th February, 2018

Jointly Conducted by

Indian Statistical Institute
SQC & OR Unit, Hyderabad

Sikkim Manipal Institute of
Medical Sciences (SMIMS), Sikkim

This program is exclusively for participants from North-eastern States

Introduction

Indian Statistical Institute, SQC & OR Unit, Hyderabad along with Sikkim Manipal Institute of Medical Sciences, Sikkim is organizing a North-East workshop on “**Data Analytics for Medical and Healthcare Professionals**” with a focus on Statistically Conducting and Defending Medical Studies. Data driven decision making is key to success in real-life and more so in healthcare where it is dangerous to act based on views, opinions and hunches. The beauty of data based approaches is that it not only helps in getting credible and reliable results but also always has the ability of providing some new insight about the phenomenon under study which per say was not known earlier. Data and statistical methods which can extract meaningful known as well as unknown information from the data are more and more an integral part of the studies conducted by Medical and healthcare professionals. Present day medical research is focusing on seeking long pending solutions to chronic and complex diseases. These studies especially longitudinal studies are generating large volumes of data (Bigdata). There is an urgent need for the medical professionals to understand the methods associated with analysing, inferring and defending the studies involving bigdata and related statistical methods. This workshop is designed to provide the medical and healthcare professionals an understanding of the various statistical methods used for conducting, analysing and defending studies.

Workshop Structure & Coverage

Theoretical sessions on statistical methods useful for medical studies and analysis such as Basic Statistics, Sampling, Inferential Statistics, Design of Experiments, Predictive Analytics etc. will be covered in the forenoon sessions and in the afternoon sessions will be devoted to hand-on sessions and presentations by the participants of their studies and a discussions on the appropriateness of the use of statistical methods in the studies and how such studies can be further improved from a data capture and statistical analysis prospective.

Each participant to the workshop is expected to come with at least one study of his/her OR a published work of interest with data.

Venue : Sikkim Manipal Institute of Medical Sciences, 5th Mile Tadong, Gangtok-737102 (Ph: 03592 – 270294)

Eligibility : Medical and Healthcare Professionals, Faculty Members, Scientists, Research Scholars, PG Students (only from NE States)

Faculty : The workshop will be conducted by Senior Faculty members of Indian Statistical Institute with over 30 years of experience in teaching, research and providing advisory service to Government, Scientific and Research Establishments, Industry etc.

Registration : There is **NO** registration charge for the workshop. **No TA and DA** will be paid to the participants. Lunch, Tea and snacks will be provided to all participants free of cost on all the three (3) workshop days (21-23 March 2018).

Interested participants (**ONLY FROM NORTH-EASTERN STATES**) need to send the filled registration form to newsisihyd@gmail.com with a copy to Prof. Amlan Gupta (amlang@smims.smu.edu.in) and Prof. G Murali Rao (gmuralirao@isihyd.ac.in / gmuralirao@gmail.com)

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Seats Limited to Maximum 30 only and Registration will be on a first come first served basis

**North-East Workshop on
Data Analytics for Medical & Healthcare Professionals**

(With a focus on Statistically Conducting and Defending Medical Studies)

21st to 23rd March 2018 (3 days)

**Venue : Sikkim Manipal Institute of Medical Sciences,
5th Mile Tadong. Gangtok-737102 Sikkim**

Registration Form

1. Name :

Age :

Sex : M/F

Please affix your recent
passport size photo

2. Organisation/Institution :

(Attach scanned copy of ID with Photo)

3. Designation :

4. Department/Function :

5. Highest Qualification :

6. Years of Experience :

7. Residential Address :

Email ID :

Mobile :

Title of your study/research/publications you would like to discuss in the workshop

Signature with Date

Certified that the applicant Dr/Mr/Mrs/Ms
is a permanent employee/ faculty / research scholar of our
Institution/Organization. His/her application is hereby forwarded for participation
in the above workshop.

Date:

Name,
signature

and seal of other competent authority

(VC/Principal/Director/Dean/Registrar/HOD)

To be submitted through **Email** to newsisihyd@gmail.com with a copy
amlang@smims.smu.edu.in, gmuralirao@isihyd.ac.in and gmuralirao@gmail.com