On The Occasion of World Statistics Day

Department of Community Medicine
Himalayan Institute of Medical Sciences
Swami Rama Himalayan University
Dehradun, Uttarakhand

Organizes

2nd Annual Symposium on Clinical Biostatistics
On
21st October 2016
&

1st Annual Workshop on Clinical Biostatistics
On
22nd - 23rd October 2016
Under the theme of

Sample Size Estimation and Power Analysis with R software
In collaboration of ICMR & UCOST

Organizing Chairperson
Dr. Jayanti Semwal
Professor & Head
Department of Community Medicine
Himalayan Institute of Medical Sciences

Organizing Secretary
Mr. Shubham Pandey
Assistant Professor of Statistics
Department of Community Medicine
Himalayan Institute of Medical Sciences
About The University

The 'Swami Rama Himalayan University' has been established with an objective to provide for teaching, training and research in various streams like medical sciences, dental sciences, nursing, pharmacy, paramedical and allied health sciences, engineering & technology, biotechnology, yoga sciences, management, etc.

About The Institute

Various departments of the University have adequate teaching faculty as per their statutory governing bodies. Experienced faculty members, proficient teachers and clinicians provide quality education. The Himalayan Hospital is a 750 bedded multi-specialty hospital providing routine as well as super-speciality services at an affordable cost. HIMS has an environment oriented towards “learning”. We pride ourselves in having the most competent faculty from the best medical colleges of India and abroad with academic and professional excellence.

About The Department

The Department of Community Medicine has state-of-the-art facilities for the training of undergraduate and postgraduate students. The department has been involved in planning, implementation, monitoring and evaluation of health programs and activities in the local community. We aim to produce high quality public health professionals and community physicians. The department is consistently working towards discovery of new knowledge in the domain of public health as well as advocacy for the application of new ideas in health care of populations. The department also provides consultancy services to postgraduate students of different departments for the design, data management analysis and report writing of undertaken research.

About The CME

The Annual Symposium on Clinical Bio-Statistics 2016 is a scientific forum for national exchange of theory, methods and applications of biostatistics in medical research and practice. The purpose of the workshop is to enable the participants to calculate required sample size, typically, in the environment of testing hypotheses. The medium used will be the computational software R. A number of statistical software such as SAS, SPSS, BMDP, StatExact, Stata, PASS, nQuery, etc. do calculate sample sizes. All these software cost money. However, R is free and takes less than five minutes to download the software.

Among the questions that a researcher should ask when planning a study is "How large a sample do I need?" If the sample size is too small, even a well conducted study may fail to answer its research question, may fail to detect important effects or associations, or may estimate those effects or associations too imprecisely. Similarly, if the sample size is too large, the study will be more difficult and costly, and may even lead to a loss in accuracy. Hence, optimum sample size is an essential component of any research. When the estimated sample size cannot be included in a study, post-hoc power analysis should be carried out.

This Symposium & Workshop will enable the participants to know the application of some commonly used terms, which need to be specified for a formal sample size calculation. Examples for four procedures (use of formulae, readymade tables, nomograms, and computer software), which are conventionally used for calculating sample size, are also given. This is a genuine hands-on experience workshop.

This Symposium & workshop is intended for statisticians, clinicians and members of other disciplines, such as researchers, clinical chemists and clinical pharmacologists, nursing & other paramedical staff, interested in the field of clinical biostatistics.

Registration Fees:

<table>
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<tr>
<th>Type Of Participation</th>
<th>(Symposium &amp; Workshop)</th>
<th>(Symposium)</th>
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<tbody>
<tr>
<td>Student</td>
<td>2000/-</td>
<td>800/-</td>
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<td>Faculty &amp; Others</td>
<td>2500/-</td>
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Maximum Number of Seats:

<table>
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<th>Days</th>
<th>Activities</th>
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<tr>
<td>Day 1</td>
<td>Symposium</td>
<td>100 to 150</td>
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<td>Day 2</td>
<td>Workshop</td>
<td>50</td>
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<td>(25-25 parallel session)</td>
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Invited Speakers

Dr. R. N. Mishra
Professor
Division of Bio-Statistics
Department of Community Medicine
Institute of Medical Sciences
Banaras Hindu University, Varanasi

Dr. S. N. Dwivedi
Professor
Department of Bio-Statistics
All India Institute of Medical Sciences
New Delhi

Dr. Atanu Bhattacharjee
Assistant Professor
Clinical Research and Biostatistics
Division
Malabar Cancer Centre,
Health and Family Welfare Department
Government of Kerala, India

Dr. Kh. Jitenkumar singh
Scientist "C"
National Institute of Medical Sciences
Indian Council of Medical Research
Ministry of Health &Family Welfare

Organising Committee

Patron:
Tanshree Dr.Mohan Swami
Dr. Vijay Dhasmana

Co Patron:

Dr. Vijendra D. Chauhan
Dr. S.L.Jethani

Advisors:

Dr. S. D. Kandpal
Dr. Debabrata Roy
Dr. Ashok Kr. Srivastava
Dr. Rakesh Kakkar
Dr. Ruchi Juyal
Dr. Pradeep Aggarwal
Dr. Shaili Vyas
Dr. Deep Shikha
Dr. Sai Chandan Das