

PATRON

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About the Department

The Department of Statistics was established in 1964 as a part of Mathematics Department, and since 1974 it is an independent Department. The Department has an excellent infrastructure for the teaching and research activities at M.Sc., M.Phil. and Ph.D. levels. Based on its excellence in teaching and research, the Department is having the status of "Department of Special Assistance (DSA)" under the Special Assistance Programme (SAP) of the UGC for the last 30 years. Even during this pandemic time, the Department has been actively organizing various online webinars and presentations as part of ongoing academic activities. In that pursuit, the Department has initiated special webinar series by eminent scholars/alumni of the department, and the talk by Prof. C.M. Pandey is a continuous step in this direction.

Theme

Medical research is full of uncertainties. Generalizing an inference drawn from a sample and applying to population is a big challenge. The sample size is an important aspect of any health study where the goal is to draw inferences about a population from a sample. If a sample is not a true representative of the target population, it may result in misleading conclusions. Determination of sample size is an attempt to minimize the type-I and type-II errors in decision making. It depends on a number of factors including the purpose of the study, appropriate study design, population size, effect size, heterogeneity in observations, type of statistical method used, acceptable error levels and difference between sample estimate and population parameter etc. The appropriate sample size can be determined using various assumptions at the planning and designing stage of a study. This talk will demonstrate techniques of sample size estimation using real life examples.

SPEAKER

Professor C.M. Pandey

Director (Academics & Research)

Divine Heart and Multispecialty Hospital

Gomti Nagar, Lucknow, India

Brief Profile: Prof. CM Pandey did his Ph.D. from Banaras Hindu University in the area of Stochastic Models for Human Reproduction in 1985. He also obtained advanced training in Bio-statistical methods and statistical computing from Department of Mathematics, United Nations International Centre for Theoretical Physics (ICTP) Trieste, Italy. After superannuated as Professor & Head, Dept. of Biostatistics, SGPGIMS, Lucknow, Prof. Pandey has joined as Director (acd & res), Divide Heart and Multispecialty Hospital, Lucknow, His areas of specialization includes stochastic Models for Human reproduction, Survival Analysis, Clinical Trials, Statistical Computing, Large-scale Sample Surveys, Clinical Epidemiology, Medical Demography, Health Systems Research, Health Care Evaluation, Database Management and Health Information Systems. He is a member of many profession bodies which include American Statistical Association, International Biometric Society, International Epidemiological Association, Indian Association for the study Population, Indian Science Congress Association, Indian Society for Medical Statistics (General Secretary 2001-2004), President (2016-2018) Elected as Fellow FSMS. He has more than 160 Research papers, 2 Books and many book chapters to his credit. Prof. Pandey is sharing National responsibilities and is member of various committees including Scientific Advisory Committee and National Task Force on Renal Disease, ICMR, New Delhi, Technical Advisory Committee NIHFWS, Steering committee ICMR-WHO Clinical Trial Registry India, and Expert Group on International Classification of Diseases, CBHI, MOH, New Delhi. He is also the Chief Coordinator PAN India DST-FIST Program Evaluation, DST GOI New Delhi.

REGISTRATION & LINK

Registration Link:

<https://forms.gle/lpeuEef2zQfS1AJx9>

Registration can be done by 6.12.2021

Meeting Link will be shared with registered participants by 10.30 AM on 7.12.2021.

WHO CAN ATTEND

Faculty Members, Research Scholars, Students from different Universities/Institutions/Colleges and the Alumni of the Department of Statistics.

NATIONAL WEBINAR ON

Sample Size Estimation in Health Studies

**December 7 (Tuesday), 2021
(12.00 Noon Onwards)**



Professor C.M. Pandey



Organized by

Department of Statistics

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