

Short Course in Biostatistics

Fundamentals of Biostatistics, Principles of Epidemiology & Statistical Package for the Social Sciences (SPSS)

February 11 – 14, 2019



Course offered by

Biostatistics Resource and Training Centre (BRTC),
Department of Biostatistics,
Christian Medical College, Vellore, India.
www.cmc-biostatistics.ac.in

Course Description:

This course is intended to introduce principles of Biostatistics, in a simpler manner to researchers who are in need of statistical application. This course is also intended to introduce principles, illustrate some of the basic methods of epidemiologic research, to improve the participant's ability to understand and use appropriate statistical procedures. This has been conducted for the last 16 years.

The course is targeted towards researchers of varied profession such as medicine, public health, life science, social science, nursing, epidemiology, biostatistics etc.

Course Fee:

Rs. 7,670/ per person (Inclusive of 18% GST)
(Course kit, Lunch, snacks and tea will be provided)

Course Fee should be paid in full by February 02, 2019. Payment can be made by **Demand Draft (DD)** in favour of **“Christian Medical College Vellore Association Account “**, payable at Vellore.

Accommodation:

Participants will have to bear their own expenses for travel, boarding and lodging. The Organizers will provide Lunch and Snacks. However, the organizers may arrange basic accommodation with A/C facility in the college campus on request. **Limited accommodations available only for Female participants.** It will be allotted on first come and first served basis. However, the list of hotels attached in the brochure.

nMaster

(Sample Size calculation software - Developed by Dr.L.Jeyaseelan and Team)

The cost of the nMaster software is fixed for Rs.2500/- for Academic / Government institutions and Rs.5000/- for Commercial. However, those who would participate in this workshop from the Academic / Government institutions, a concession price is Rs.1500/- and Commercial is Rs.4000/-.

Venue:

Biostatistics Resource and Training Centre (BRTC),
Department of Biostatistics,
Christian Medical College,
Bagayam, Vellore - 632 002.

The number of participants: Limited to 45 admissions & this will be purely on first come first served basis.

Note: After Registration if cancelled the course fee will not be refunded.

About Faculty:

Dr. Jayaprakash Muliyl former Principal, Professor and Head of Community Medicine, CMC, Vellore. He obtained PhD from Johns Hopkins University, USA. Currently Professor of Emeritus, CMC Vellore. He also has been Chair of Scientific Advisory Committees of ICMR. Advisor for DBT and ICMR in research and policy making. Principal Investigator of many Infectious Disease Research and Vaccine Trials.



Dr. Indira Kumari is currently working as a Professor and HOD of Pulmonary Medicine, SNIMS, Kochi, Kerala. She also holds a post as the Medical Superintendent and Chairperson of Research Committee in the same institution. She is an ex faculty of Government Medical College Trivandrum and Alappuzha who took voluntary retirement after 22 years of service from Kerala Medical Education. She also served as the Professor and Head in the



Department of Pulmonary Medicine in Amrita Institute of Medical Sciences, where in, she initiated DM Pulmonary Medicine course for the first time in India. She bagged the best thesis award in 1995 (Ranbaxy Medal). She completed WHO fellowship in Tuberculosis in 1988 (Japan and Canada). She also accomplished level II Health Economics training by CBS IndiaCLEN in the year 2000. Her research involvements are many which includes 'Antibiotic prescribing patter (APP) funded by INCLEN/USAID where she served as the principal investigator of the project. She also performed the first successful Whole Lung Lavage for PAP in Kerala. She has more than 20 publications as a first author in many indexed journals. She had a

course on writing and Data analysis workshop in Newcastle University, Australia as well.

Dr. Shuba Kumar, is a Social Scientist and holds a doctorate in Medical and Social Psychiatry. She received her training in Social Science and Epidemiology from the University of Newcastle, Australia under the INCLEN (International Clinical Epidemiology Network) programme. She has been a lead investigator on research projects on women's reproductive health, domestic violence, mental health and HIV care and support programmes.

She is also the sitting member of ethical committees in institutions such as Christian Medical College- Vellore, Madras Diabetes Research Foundation, Indian Institute of Technology and the Tuberculosis Research Foundation.

Dr. Thambu David Sudarsanam, Professor of Medicine at the Christian Medical College Vellore and coordinator of the clinical epidemiology unit in CMC and member of the South Asian Cochrane network. Trained both MBBS and MD General Medicine in the Christian Medical College Vellore. His interests include Infectious diseases, epidemiology and systematic reviews. He is also interested in Nutritional interventions for TB

and the problems of HIV and TB co-infection. He is also the coordinator for the PG Research Methodology and Dissertation writing workshops in CMC.



Dr. Sathish Kumar, Professor at the Department of Pediatrics, Christian Medical College, Vellore. He has done his clinical and research fellowship in Lupus in Hospital for sick Children, Toronto, Canada. He has done short courses in clinical epidemiology and biostatistics in University of Toronto and CMC, Vellore. He is the member of Clinical Epidemiology unit of CMC. He is also the member of Indian Academy of Pediatrics, Indian Rheumatology association, American College of Rheumatology and Canadian Rheumatology Association. He is also the Reviewer of national and International Journals. He has authored text books / chapters in paediatrics rheumatology. He has published over 50 papers in national and international journals.



Dr. L. Jeyaseelan, Professor of Biostatistics at the Department of Biostatistics, Christian Medical College, Vellore. He has been teaching Epidemiology and Clinical Epidemiology for the Masters Program at this Department. He is specialized in Clinical Epidemiology, Bayesian Methods, Bootstrap, and Mixture Distributions. He is the founder of the Biostatistics and Resource and Training Centre (BRTC). He has been organizing short courses in Biostatistics, Epidemiology, and Advanced Statistics Methods for the last 15 years. He is also the founder of the Clinical Data Management Centre (CDMC) to support data management, analyses and report writing for Vaccine and Drug trials. This is the first ever recognised data management centre in an academic institution in India. He is also member of the DSMB of Department of Biotechnology (DBT) and WHO. He has published over 135 papers in public health and medicine. He is the PI of the nMaster sample size calculation software from this Department. He is Investigator or Co-investigator of nearly 10 Epidemiological studies and about 15 capacity building projects.



Course content:

Fundamentals of Biostatistics

- Descriptive statistics
- Probability and Distributions
- Tests of Significance
- Analysis of Variance
- Non-parametric Methods
- Correlation and Regression
- Sampling techniques
- Sample Size

Statistical Software: SPSS

Basic Epidemiology

- Measures of disease frequency
- Cohort study
- Cross-sectional Study
- Case control study
- Qualitative research
- Diagnostic test
- Clinical Trial
- Journal Critique for each study design by the participants

Course Co-ordinator/Address for communication

Dr. L. Jeyaseelan,
Professor and Head
Biostatistics Resource and Training Centre (BRTC)
Advanced Clinical Data Management Centre (ACDMC)
Department of Biostatistics, Christian Medical College,
Bagayam, Vellore 632 002. India

Secretariat / Contact person

Mr. C. Jayaprakash / Mr. Sankar
Email: biostats@cmcvellore.ac.in
Phone: (0416) 2262703, 2284205

SHORT COURSE IN BIostatISTICS
FEBRUARY 11 – 14, 2019

REGISTRATION FORM

NAME IN CAPITAL (FOR CERTIFICATE PURPOSE) : DR/MR/MS/MRS _____

AGE : _____ **SEX: M / F**

EDUCATIONAL BACKGROUND : _____

DESIGNATION : _____

DEPARTMENT : _____

INSTITUTION : _____

ADDRESS : _____

: _____

STATE : _____

PHONE & MOBILE : _____

PERSONAL EMAIL : _____

OFFICIAL EMAIL : _____

ACCOMMODATION : **REQUIRED / NOT REQUIRED**
(PRIORITY WILL BE GIVEN TO THE FEMALE PARTICIPANTS)

IF REQUIRED, TENTATIVE DATE & TIME: ARRIVAL _____

DEPARTURE _____

COURSES OPTED FOR : (PLEASE ENCIRCLE)

1. FUNDAMENTALS OF BIostatISTICS, PRINCIPLES OF EPIDEMIOLOGY & SPSS (Rs. 7,670)

DD AMOUNT : Rs. _____ **DATE** : _____

DD NUMBER : _____ **BANK** : _____

NOTE: AFTER REGISTRATION IF CANCELLED THE COURSE FEE WILL NOT BE REFUNDED

SIGNATURE

List of Hotels available in Vellore

Vellore city STD code is +91- 416

| Hotel name | Single non AC | Double non AC | Single AC | Double AC | Phone Nos | Distance from Venue (approx) |
|--|---------------|---------------|-----------|-----------|--|------------------------------|
| <i>Darling Residency</i> http://www.darlingresidency.com | | | 2424/- | 2788/- | 2213001 4202006 4202007 | 3.5 kms |
| <i>Grand Krishna</i> http://hotelgrandkrishna.com | | | 2350/- | 3528/- | 2258189 2258289 2258389 2258489 | 15 kms |
| <i>Hotel Surabhi International</i> http://www.hotelsurabi.com | | | 2424/- | 2788/- | 2216399 2216499 2216599 | 3.5 kms |
| <i>Baby Residency</i> http://www.babyresidency.com | | | 1814/- | 2055/- | 2226484 2213285 2227584 | 3 kms |
| <i>Aavanaa Inn</i> http://www.hotelaavanaainn.com | 1697/- | 2060/- | 2424/- | 2788/- | 2215073 2215074 2228935 | 6 kms |
| <i>River View</i> http://www.hotelriverview.org | | | 2182/- | 2666/- | 2225251 2222349 2225218 2225108 | 7 kms |
| <i>Mount Paradise</i> http://hotelmountparadise.net | 1000/- | 1350/- | 1500/- | 1700/- | 222831 2235531 2212631 | 10 kms |
| <i>Sri Srinivasar Residency</i> http://www.srinivasaresidency.com | | 1455/- | | 1940/- | 2232725 2232726 2232727 | 7 kms |
| <i>Sri Annamalaiyar Residency</i> http://annamalaiyarresidency.com | | 1500/- | | 1814/- | 2229999 | 7 kms |
| <i>Kumaran's Millennium Residency</i> http://www.mmresidency.in | 950/- | 1200/- | 1200/- | 1600/- | 2245500 | 10 kms. |
| <i>Lingam Residency</i> | 650/- | 650/- | 950/- | 950/- | 2220971 | 6 kms. |
| <i>Koona Residency</i> | | 525/- | | 825/- | 2211298 | 6 kms. |
| <i>Arunachalam Lodge</i> | | 700/- | | 1400/- | 2210979 | 6 kms. |
| <i>AMP Lodge</i> | 300/- | 400/- | | | 3292652 | 1 Km. |
| <i>Ananda Bhavan</i> vimdes@rediffmail.com | | 500/- | | | 2266770 | 1 Km. |

Note: Rates may be subject to revision