



DEPARTMENT OF BIOSTATISTICS

Christian Medical College, Vellore - 632 002, India.

Dr. B. ANTONISAMY, Ph.D., FRSS., FSMS.,
Professor

January 31, 2019

Dear Friends,

The Department of Biostatistics at Christian Medical College, Vellore is glad to announce the commencement of **"Short Course on Statistical Methods in Measuring Health: Scales and Measurements"** to be held from **March 18-20, 2019**.

The objective of the workshop is to highlight the importance of scales and measurements in the field of health sciences, and to enlighten the statistical techniques in understanding the concept of measuring health. The course is intended to explain the concepts of validity and reliability, along with the basic computational techniques using SPSS / STATA and interpretation of statistical tools related to it. In addition, the group discussions based on the published papers will be made for the clear understanding of the concept to the participants.

Short Course on Statistical Methods in Measuring Health: Scales and Measurements	March 18-20, 2019
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The number of participants is limited to 40 and registration will be done on first come first served basis. The deadline for registration is **8th March 2019**. The brochure can be downloaded from the department web site www.cmc-biostatistics.ac.in

I will be very happy to provide more information, if necessary.

Looking forward to hearing from you.

Sincerely,

Dr. B. Antonisamy,
Professor & Course Coordinator.

Department of Biostatistics
Christian Medical College
Vellore

(Established in 1964)



Short Course on Statistical Methods in Measuring Health: Scales and Measurements

March 18-20, 2019

Biostatistics Resource and Training Centre (BRTC)
Department of Biostatistics
Christian Medical College, Vellore

Tel: +91 416 2284205 / 2262703
Email: biostats@cmcvellore.ac.in
Web: www.cmc-biostatistics.ac.in

Last date for receiving application **8th March 2019**

About CMC

Christian Medical College & Hospital (CMCH), Vellore for the past 119 years is serving the healing ministry of Christ, through excellence in medical education, service and research. Through the continued education and service to the society, CMC is recognised as one of the reputed institutions in India. The college now offers Medical graduate, postgraduate (diploma and degree), and higher specialty courses, graduate and post graduate courses in Nursing, and several degree and diploma Allied Health Science courses as well as courses leading to Ph.D. For more details log on to <http://www.cmch-vellore.edu>

About Department of Biostatistics, CMC

The Department of Biostatistics at Christian Medical College, was established first in the country in 1964. The Biostatistics department was created primarily to teach and provide statistical consultation to the faculties and students (graduate and post graduate) in medical, nursing and allied health sciences. Now, the department has become a prominent place in adopting academic standards in teaching, carrying out research studies, and conducting training programs. The department offers courses in MSc., Biostatistics (2 years), and doctoral degree in Biostatistics under Tamilnadu Dr. M. G. R. Medical university, Chennai. For more details log onto <http://cmc-biostatistics.ac.in>.

Objective

The objective of the workshop is to highlight the importance of scales and measurements in the field of health sciences, and to enlighten the statistical techniques in understanding the concept of measuring health. The course is intended to explain the concepts of validity and reliability, along with the basic computational techniques using SPSS / STATA and interpretation of statistical tools related to it. In addition, the group discussions based on the published papers will be made for the clear understanding of the concept to the participants.

Who can participate?

The course will be more suitable for those working in medical, dental, nursing science professionals including clinicians, psychiatrists, nursing researchers, social scientists, psychologists, physiotherapists, statisticians, PhD students, and public health researchers as the workshop will be more focused on the importance of scales and measurements in health sciences.

Pre-requisites

Candidates should have their own laptops with SPSS installed for the practical sessions.

Note: Some of the procedures which cannot be done in SPSS will be done using STATA (Weighted kappa and diagnostic test statistics)

Course Fee

Course fee **Rs. 6,000/- (Six Thousand Only-Inclusive of 18% GST)** should be paid in full by **8th March 2019**. Payments can be made by Demand Draft in favor of **“Christian Medical College Vellore Association Account”**, Payable at Vellore. **The number of participants is limited to 40 and registration will be done on first come first served basis.** Course fee includes Course Material, Lunch and Refreshments.

Accommodation

Participants will have to bear their own expenses for travel, boarding and lodging. Organizers may arrange basic accommodation with A/C facility in the college campus on request by first come first serve basis. **Only limited accommodation is available hence preference will be given to the female participants.** Also, list of hotels in Vellore has been provided below. Those who would like to stay outside, please contact them directly to book your accommodation.

Course Outline

- Describing variables, levels of measurements & choice of descriptive statistics
- Further on scales and levels of measurements (dealing dichotomous & ordinal scales)
- Types of reliability: internal consistency, kappa and ICC
- Kappa, weighted kappa, prevalence & bias adjusted kappa
- Intra-class correlation coefficient (ICC)
- Method comparison techniques: Bland- Altman plot
- Types of validity: Content, construct & criterion
- Construct validity and introducing factor analysis
- Statistical methods for diagnostic tests: sensitivity, specificity, predictive values, and likelihood ratios, Receiver operating characteristics curves
- Sample size calculations for reliability and diagnostic accuracy studies

Course Coordinator & Address for correspondence:

Dr. B. Antonisamy, Professor,
Department of Biostatistics, Christian Medical College,
Bagayam, Vellore-632002. Tamil Nadu, India.

Registration Form can also be downloaded from:
Web: www.cmc-biostatistics.ac.in

Secretariat / Contact Person:

Mr. C. Jayaprakash / Mr. Sankar,
Dept. of Biostatistics, CMC, Vellore
Telephone: +91 416- 2284205 / 2262703
Email : biostats@cmcvellore.ac.in

Registration Form

Short Course on Statistical Methods in Measuring Health : Scales and Measurements

March 18-20, 2019

Department of Biostatistics, Christian Medical College, Vellore

Name: Dr. / Mr. / Ms. / Mrs. _____
(in Capital letters, to be printed in Certificate)

Sex : Male Female **Age :** _____

Educational Background: _____

Designation: _____

Department : _____

Institution: _____

Address: _____

Contact (Mobile): _____

Personal (Email) : _____

Official (Email) : _____

Accommodation: Required Not Required
If required **Arrival date and time** : _____
Departure date and time : _____

Course Fee : Rs. 6,000/- (Inclusive of 18% GST)

The DD for registration must be made in favor of "CMC Vellore Association" payable at Vellore 632 004.
(If cancelled after registration the course fee will not be refunded)

Amount (Rs.): _____

DD Number , Date and Bank: _____
(Please write your name and organization behind the DD)

Signature

Last date for receiving application 8th March 2019

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