

Application of Biostatistics in Clinical Research

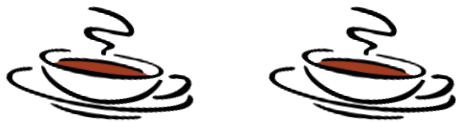
3rd Edition

15-25 February, 2021

Dept. of Biostatistics, NIMHANS, Bangalore



Biostatistics at Tea Time



◆ The 3rd edition of the workshop is planned as a virtual workshop due to the pandemic, is titled “*Biostatistics at tea time*”.

◆ This 10-day workshop is intended for faculty members, researchers, postgraduates from medical, behavioral and allied health sciences.

◆ Workshop consists of lectures with suitable examples from medical and behavioral sciences.

◆ Course – 2 classes scheduled during 3-6 PM.

◆ Course is limited to 60 participants.

◆ Course fee is Rs.2000/-.

Contact us:

Dr. Mariamma Philip

Dr. Prathyusha P.V.

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Dr. M V Govindaswamy Centre,
NIMHANS, Bangalore-29.

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Ph:080-26995120/ 5717/ 5715(10AM-4PM)

Course contents

- ◆ Study Designs.
- ◆ Data collection
- ◆ Sampling Techniques.
- ◆ Descriptive Statistics
- ◆ Why test Normality?
- ◆ Bivariate Analyses
 - ◆ t-tests -student & paired
 - ◆ χ^2 , McNemar's tests
 - ◆ ANOVA –one way, two-way
 - ◆ Correlation - Pearson, Spearman
 - ◆ Non-parametric methods
- ◆ Linear Regression analysis
- ◆ Logistic regression analysis
- ◆ Analysis of covariance.
- ◆ Repeated Measures ANOVA.
- ◆ Sample size estimation.
- ◆ Issues in Scale Construction
- ◆ Factor Analysis
- ◆ Survival Analysis

Feedback from delegates
of previous editions.



Based on 146 delegates

Experienced faculty.

Online training. 1

Application of Biostatistics in Clinical Research

15-25 February 2021

3rd & virtual edition titled
“*Biostatistics at Tea Time*”

Organizer:

Department of Biostatistics
Dr. M.V. Govindaswamy Centre



National Institute of Mental Health and
Neurosciences
Institute of National Importance
Bengaluru – 29

Co-ordinators

Dr. Mariamma Philip,
Additional Professor

Dr. Prathyusha PV
Research Assistant

Course Description:

This 10-day intensive programme (2 classes in the evening) mainly consists of lectures and practical sessions with emphasis on examples from medical and behavioural sciences. Delegates would have hands on exposure on bivariate and multivariate data analyses using SPSS.

Course contents

- Study Designs
- Sampling Techniques
- Bivariate Analyses
- Non-parametric methods
- Linear regression analysis
- Logistic regression analysis
- Analysis of covariance
- Repeated Measures ANOVA
- Sample size estimation
- Scale construction
- Factor Analysis
- Survival Analysis

Objectives of the course:

To enable delegates

- To efficiently design studies
- To comprehend the application of statistical tests.
- To confidently analyse the datasets
- To appreciate and understand the outputs from SPSS

Who can apply?

This programme is intended for faculty, researchers and post graduates from medical, behavioural and allied health sciences who are keen on furthering their knowledge in statistical methodology.

Registration

The number of participants will be restricted to about 60 and will be on a first come first serve basis.

Registration Fee

The course fee to be paid through NEFT. Payment details and contents are on the next pages. Fee includes training, resource material.

How to register?

Registration is online and can be done only after payment. Online registration would be active only for the first 60 registrations.

Registrations would be confirmed only after the receipt of the payment.

Contact information

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Virtual edition of the workshop “Application of Biostatistics in Clinical Research”

Biostatistics at Tea Time

15-25 February, 2021

Department of Biostatistics

National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore.

PAYMENT DETAILS

Amount:	Rs. 2000/-
Mode:	NEFT
Account Holder’s name:	The Director, NIMHANS
Account name:	NIMHANS Project Account
Account number:	54004640402
Account Type:	Savings
MICR code:	560002480
IFSC code:	SBIN0040675
Branch Code:	40675
Branch:	State Bank of India, NIMHANS

Registration opens at 10 AM, Monday, 18th January 2021.

Click here to register: [Registration Form](#)

Schedule of the workshop

Day & Time		Topic
15 th February 2021 Monday	2.30 – 3.00	Inauguration
	3.00 – 5.00	Study Designs <i>(Observational & Experimental)</i>
	5.00 – 6.00	Methods of data collection <i>(questionnaire, checklist, rating scale)</i>
16 th February 2021 Tuesday	3.00 – 4.30	Sampling Techniques <i>(Prob & Non Prob sampling)</i>
	4.30 – 6.00	Understanding the data <i>(Types of data, ways of describing data)</i>
17 th February 2021 Wednesday	3.00 – 4.30	Summarizing the data <i>(central tendency, variation, shape)</i>
	4.30 – 6.00	Importance of Normal Distribution <i>(Probability distn, Normal distn, transformation)</i>
18 th February 2021 Thursday	3.00 – 4.30	Introduction to Statistical Inference <i>(CI, errors; p-value, power, tails)</i>
	4.30 – 6.00	Statistical tests – basic introduction <i>(comparison, association, relation, prediction)</i>
19 th February 2021 Friday	3.00 – 4.30	Categorical Data Analysis <i>(Chi-square & Mc Nemar's)</i>
	4.30 – 6.00	Comparison of Means-I <i>(t-test, paired t-test)</i>
20 th February 2021 Saturday	3.00 – 4.30	Comparison of Means-II <i>(One-way, 2-way ANOVA)</i>
	4.30 – 6.00	Relationship among variables <i>(Correlation – Pearson, Spearman & Partial)</i>
22 nd February 2021 Monday	3.00 – 4.30	Non parametric Methods <i>(MW, WSR, KW, Friedman test)</i>
	4.30 – 6.00	Comparison of Means-III <i>(RMANOVA, ANCOVA)</i>
23 rd February 2021 Tuesday	3.00 – 4.30	Linear Regression analysis <i>(Simple & Multiple)</i>
	4.30 – 6.00	Logistic Regression analysis <i>(Simple & Multiple)</i>
24 th February 2021 Wednesday	3.00 – 4.30	Sample Size Estimation <i>(Basic idea, what affects SS & examples)</i>
	4.30 – 6.00	Issues in Scale construction
25 th February 2021 Thursday	3.00 – 4.30	Introduction to Survival Analysis
	4.30 – 6.00	Understanding Factor Analysis
	6.00 – 6.30	Feedback & Conclusion