



St. John's Medical College & St. John's Research Institute



St. John's National Academy of Health Sciences, Bangalore – 560034



Workshop on Health Science Data Analysis using R - A Free Analytical Platform

March 15 - 16, 2018

WORKSHOP OBJECTIVES

This workshop will be a hands on training in data analysis using R statistical software along with a combination of lectures, discussions, and guided assignments, to help participants understand the concept and application of quantitative methods in health research. at the End of the workshop participants can expected to

- > Understand the basic concepts of statistical analysis.
- > Understand the fundamentals of R computing and analytical environment.
- > Be able to perform descriptive analysis of their own data using R /R Commander—a graphical user interface package like other popular GUI software (SPSS,STATA,Minib etc.)



R SOFTWARE

R is one of the most popular open source software, widely used by scientists across the disciplines and it has been continuously upgraded by the R Core Team across the globe. It is under General Public License, no need to purchase/renew.

WHO SHOULD ATTEND

Any person with a background in the health sciences, health policy, or health administration, who is desirous of improving their understanding on quantitative research methods and enthusiastic to develop computational skill under open source platform. Post graduate students in the health sciences, and those involved in public health, should find this workshop relevant.



RESOURCE PERSONS

Faculty will be from St. John's Medical College & Research Institute

VENUE:
St. John's Medical College, Bangalore

TUITION FEE:
Before 11th March Rs. 3,000/-
After 11th March Rs 3,500/-

Workshop fee includes tuition fee , lunch and workshop materials .

* Cancellation will be processed only after 16th March 2018. 20% will be deducted from the course fee

E-mail: biostatws@stjohns.in

SCHEDULE

Day	Time	Session	Topic
Day 1	9:00 – 10:15 am	Session 1	Introduction to basic quantitative methods
			Tea Break
	10:30 – 11:30 am	Session 2	Introduction to R– an open source software
	11:30 – 12:30 pm	Session 3	Exploration of data using R
			Lunch break
	1:15 – 2:00 pm	Session 4	Graphical representation of data
	2:00 – 3:00 pm	Session 5	Graphs in R
			Tea Break
	3:15 – 4:00 pm	Session 6	Probability & sampling
	4:00 – 4:30 pm	Session 7	R Case study
Day 2	9:00 – 10:30 am	Session 1	Introduction to Inferential Statistics- T test & ANOVA
	10:00—10:30	Session 2	Introduction to R Commander (Rcmdr) package
			Tea Break
	10:45 – 11:30am	Session 3	Correlation & Regression
	11:30 - 12:30pm	Session 4	R Practical for inferential statistics
			Lunch Break
	1:15 – 2:00 pm	Session 5	Categorical data analysis - Chi Square test
	2:00– 3:00pm	Session 6	R practical for categorical data analysis
			Tea break
	3:15 – 4:00pm	Session 7	Non-Parametric statistics
	4:00 – 4:30 pm	Session 8	R practical for nonparametric statistics

REGISTRATION:

Download registration form (www.stjohns.in)
Filled registration form should be mailed to biostatws@stjohns.in
Fee should be paid through NEFT

ACCOUNT DETAILS:

Beneficiary name: St. John's Medical College;
Bank name: Bank of Baroda;
Beneficiary's Bank A/c #: 05210200000212;
Branch: John Nagar,
IFSC code: BARB0STJOHN (5th digit zero)

FOR FURTHER ENQUIRY AND REGISTRATION, CONTACT

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ACCOMMODATION:

Participants will have to bear their own travel and accommodation expenses.
Accommodation inside St. John's campus can be arranged on request.

E-mail: biostatws@stjohns.in