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

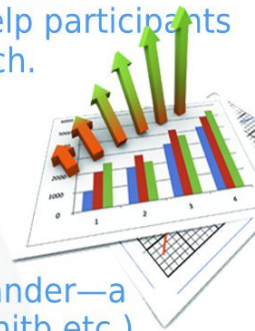## St. John's National Academy of Health Sciences, Bangalore – 560034

R

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. Through this workshop participants will be able to

> Understand the basic concepts of statistical analysis.

> Understand the fundamentals of R computing and analytical environment.

> Perform descriptive and inferential analysis of their own data using R /R Commander—a graphical user interface package like other popular GUI software (SPSS,STATA,Minitb 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.
This course would be relevant for post graduate students in the health sciences, and those involved in public health, research.

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 1

Time		Topic
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

Time		Topic
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

*Participants should bring their own laptop for the practical sessions.

REGISTRATION:

Download registration form from 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

Dr Tinku Thomas, PhD
Course Director
Head, Department of Biostatistics
St. John's Medical College
Bangalore – 560034

Dr. Santu Ghosh, PhD
Asst. Prof., Department of Biostatistics
St.John's Medical College
Office: 080-4946-6123/7036 /7029
Mobile: 9941005569

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