

## WORKSHOP OBJECTIVES

This workshop will use combination of lectures, individual exercises, discussions, interactive learning and guided assignments to help participants understand the research designs and biostatistical method in health research

By the end of the workshops participants are expected to:

- \* Understand the fundamentals of study design.
- \* Understand the aspects of fundamentals of biostatistical methods.
- \* Understand the basic statistical terminology and methods of analyzing the data
- \* Be confident in classifying datatypes and conducting analysis of their own data using SPSS software and interpreting the results.



## 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 fundamentals of research design and data analysis methods in health research.

Post graduate students in the health sciences and those involved in public health should find this workshop relevant

## RESOURCE PERSONS

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

\* Workshop fee includes tuition fee, lunch and workshop materials.

## WORKSHOP ON BASICS OF BIOSTATISTICS & SPSS

DATE: 11<sup>th</sup> & 12<sup>th</sup> OCTOBER 2018

WORKSHOP FEE:

Before 30<sup>th</sup> September - ₹3000

After 30<sup>th</sup> September - ₹3500

St. John's Medical College & St John's Research Institute  
St. John's National Academy of Health Sciences,  
Bangalore - 560034

# SCHEDULE

## DAY 1

Research question & study designs	9:00 - 10:15 AM
<b>TEA BREAK</b>	
Introduction to Biostatistics, Data types & Sampling	10:30 - 11:30 AM
Introduction to SPSS	11:30 - 12:00 PM
SPSS Data Management	12:00 - 12:30 PM
<b>LUNCH BREAK</b>	
SPSS Practical	1:15 - 3:00 PM
<b>TEA BREAK</b>	
Summarizing data & Graphical representation	3:15 - 4:00 PM
SPSS Practical	4:00 - 4:30 PM

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

## DAY 2

Probability Distributions & Hypothesis testing	9:00 - 10:15 AM
<b>TEA BREAK</b>	
Parametric Tests (T-tests & ANOVA)	10:30 - 11:30 AM
SPSS Practical	11:30 - 12:30 PM
<b>LUNCH BREAK</b>	
Test of Association (chi-square, Fisher's exact) & Correlation	1:15 - 2:15 PM
SPSS Practical	2:15 - 3:00 PM
<b>TEA BREAK</b>	
Non-Parametric tests	3:15 - 4:00 PM
SPSS Practical	4:00 - 4:30 PM

## REGISTRATION

Venue: St. John's Medical College  
Visit [www.stjohns.in](http://www.stjohns.in) for registering.

Fee to be paid by NEFT/RTGS:  
A/c Name: St. John's Medical College;  
Bank A/c No: 05210200000212;  
A/c Type: Current;  
Bank Name: Bank Of Baroda;  
Branch: John Nagar, St. John's Medical  
College, Banglore-560034  
IFSC Code: BARBOSTJOHN

## ACCOMMODATION

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

### Cancellation

Cancellation will be processed only after 15th October 2018.

\* 20% will be deducted from the course fee.

## FOR FURTHER ENQUIRY AND REGISTRATION

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

Mr. John Michael,  
Course Coordinator,  
Lecturer, Department of Biostatistics,  
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