Workshop Objectives

This hybrid course in Epidemiology and Biostatistics has an online introductory component spread over a week prior to the start of the course and an intensive 8-day face-to-face component. Completion of quizzes at the end of online phase is mandatory prior to attending the face-to-face course. The course introduces research methods, epidemiological designs, and statistical analyses in relation to health sciences. The course aims to integrate theory and application in epidemiology, clinical medicine, public health, and biostatistics.

♦ The workshop is designed to address each study design using a specific example
♦ The study designs and associated biostatistical methods will be dealt with together such that the knowledge gap in adopting a statistical to a study design will be addressed

Who should attend

This workshop is primarily planned for faculty and postgraduate medical/allied health sciences students, PhD students, post-doctorates and others associated with health research. No prior knowledge of research methods or statistics is required.

Organization and delivery

Course faculty will be from St. John’s Medical College & Research Institute. Guest lectures by eminent faculty will be included.

All course material will be provided. The participants must bring a laptop of their own. The workshop will use a variety of teaching-learning methods. These include lectures, quizzes, group work, participant presentations, hands-on training using SPSS/Excel, one-to-one discussions and self-directed study.

Registration

Filled registration form (www.sjri.res.in) should be submitted by 12th June, 2019.

Workshop fee includes tuition fee and workshop expenses (meals is optional). Fee is to be paid along with the registration form by:
♦ by NEFT [beneficiary name: St. John’s Research Institute; bank name: Bank of Baroda; beneficiary’s bank A/c #: 05210100024920; branch: John Nagar, St. John’s Medical College, Bangalore-560034; IFSC code: BARB0STJOHN (5th digit zero)]

Accommodation

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

For further enquiry and registration, contact:
Dr Prem K. Mony, MD
Course Director
Head, Division of Epidemiology & Population Health
St. John’s Research Institute

Dr Tinku Thomas, PhD
Course Coordinator
Biostatistics Unit
St. John’s Research Institute

E-mail: epibio@sjri.res.in

St. John’s Research Institute (SJRI)
St. John’s National Academy of Health Sciences,
Bangalore – 560034

Theory and Practice of Epidemiology and Biostatistics (EpiBio)

Hybrid course (online & face-to-face)

Dates:

Online course: 12th — 22nd June 2019
On-site course: 25th June — 3rd July 2019

Venue: St. John’s Research Institute,
Bangalore, India

Tuition fee:

Before 12th June: Rs. 8,000/- (for students) & Rs 12,000/- (for faculty)
After 12th June: Rs 12,000/- (for students) & Rs 17,000/- (for faculty)
[plus 18% GST applicable on all fees]

E-mail: epibio@sjri.res.in
### Online course (12th – 22nd June 2019):
Introduction to hybrid Course, Health Research Methods, Introduction to Biostatistics I, Design of Study Protocol, Review of Literature & Questionnaire Design

### On-site course: 25th June—3rd July 2019

<table>
<thead>
<tr>
<th>Theme</th>
<th>TUESDAY (25th)</th>
<th>WEDNESDAY (26th)</th>
<th>THURSDAY (27th)</th>
<th>FRIDAY (28th)</th>
<th>SATURDAY (29th)</th>
<th>30th (1st)</th>
<th>MONDAY (2nd)</th>
<th>TUESDAY (2nd)</th>
<th>WEDNESDAY (3rd)</th>
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<tbody>
<tr>
<td><strong>Morning</strong></td>
<td>Registration &amp; Inauguration</td>
<td>Review &amp; feedback</td>
<td>Review &amp; feedback</td>
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<td>Review &amp; feedback</td>
<td>Review &amp; feedback</td>
<td>Intro to Regression analysis</td>
<td>Group 1 presentation</td>
<td>Qualitative Research</td>
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<tr>
<td><strong>Introduction</strong></td>
<td>Overview</td>
<td>Descriptive Study</td>
<td>Sample Size</td>
<td>Experimental Study</td>
<td>Cohort Study</td>
<td>Intro to Biostatistics - II</td>
<td>Quality Control in Data Collection</td>
<td>Group 3 presentation</td>
<td>Scientific Reporting</td>
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<td><strong>10:45-11:00</strong></td>
<td>Tea</td>
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<td>Using Word Processor</td>
<td>Group 4 presentation</td>
<td>Referencing</td>
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<tr>
<td><strong>Pre-lunch</strong></td>
<td>Intro to Biostatistics - II</td>
<td>Study Formulation</td>
<td>Quality Control in Data Collection</td>
<td>Clinical Trial-Formulation/ GCP</td>
<td>Case-Control Study</td>
<td>Non-randomized trial designs</td>
<td>Test Accuracy Studies</td>
<td>Applied Health Research</td>
<td>Valedictory</td>
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<td><strong>12:45-1:45</strong></td>
<td>LUNCH</td>
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<td>Applied Health Research</td>
<td>Valedictory</td>
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<td><strong>Post-lunch</strong></td>
<td>Intro to Epi - II</td>
<td>Epidemiology Exercises</td>
<td>Chi-square &amp; Correlation</td>
<td>Randomization Exercises</td>
<td>Epidemiology Exercises</td>
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<td><strong>3:00-3:15</strong></td>
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<td><strong>Post-tea</strong></td>
<td>QR code quiz</td>
<td>Testing of Significance</td>
<td>Regulatory &amp; Ethical Issues; Budgeting</td>
<td>Comparison of Means</td>
<td>Group-work planning</td>
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<td><strong>Evening</strong></td>
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Additional 1-day Demography course will continue on 4th July 2019. Details on SJRI website—www.sjri.res.in