

Biostatistics

Event Synopsis

This workshop aims to equip Principal Investigators and research teams with the knowledge to perform statistical analysis. Participants can expect to gain an appreciation and understanding of bio-statistical ideas, particularly in the context of clinical trials and other aspects of clinical research.

Topics covered include summary statistics and hypothesis tests, with a heavy emphasis on learning how to carry out statistical analysis independently using SPSS.

The course will include a combination of lectures and SPSS hands-on statistical tutorials. Participants can expect to be led through a series of guided exercises and to learn how to carry out and apply independent statistical analysis on their own.

AGENDA

Time	Topic
Day 1	
8.45 – 9.00am	Registration
9.00 – 10.30am	Study Design
10.30 – 11.00am	<i>Tea Break</i>
11.00am – 12.30pm	Data Management I <ul style="list-style-type: none"> Data Preparation
12.30 – 1.30pm	<i>Lunch</i>
1.30 – 3.00pm	Data Management II <ul style="list-style-type: none"> Descriptive Statistics
3.00 – 3.30pm	<i>Tea Break</i>
3.30 – 5.00pm	Hypothesis Testing I <ul style="list-style-type: none"> Parametric

Biostatistics

AGENDA (Con't)

Time	Topic
Day 2	
9.00 – 10.30am	Hypothesis Testing II <ul style="list-style-type: none"> • Non-parametric
10.30 – 11.00am	<i>Tea Break</i>
11:00am – 11.30am	Correlation
11:30am – 12.30pm	Sample Size and Power Calculations
12.30 – 1.30pm	<i>Lunch</i>
1.30 – 3.00pm	Regression Analysis I <ul style="list-style-type: none"> • Linear Regression
3.00 – 3.30pm	<i>Tea Break</i>
3.30 – 5.00pm	Regression Analysis I (Con't) <ul style="list-style-type: none"> • Linear Regression

Biostatistics

AGENDA (Con't)

Time	Topic
Day 3	
9.00 – 10.30am	Regression Analysis II <ul style="list-style-type: none"> Generalized Linear Model
10.30 – 11.00am	<i>Tea Break</i>
11.00am – 12.30pm	Regression Analysis III <ul style="list-style-type: none"> Logistic Regression
12.30 – 1.30pm	<i>Lunch</i>
1.30 – 3.00pm	Time-To-Event Analysis <ul style="list-style-type: none"> Kaplan-Meier
3.00 – 3.30pm	<i>Tea Break</i>
3.30 – 5.00pm	Time-To-Event Analysis <ul style="list-style-type: none"> Cox Regression

Note: Information is accurate at time of print. Agenda is subject to changes without prior notice.

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