

## Workshop on

### “Statistics Made Easy: Basic and Intermediate Level Application in Research”

#### Day 1

Session	Time	Topic
<b>Session 1</b>	08:30-09:30	Common study design in research
	09:30-09:45	Tea Break
	09:45-11:30	Common study design in research (cont.)
	11:30-12:30	Statistics made easy: Overview and Descriptive Statistics
Lunch and break for prayers		
<b>Session 2</b>	14:00-15:30	Statistics made easy: Inferential statistics (Hypothesis testing and estimation)
	15:30-17:00	Univariable Statistical Analysis: Which to choose?
	17:00	Tea

#### Day 2

Session	Time	Topic
<b>Session 3</b>	08:30-09:30	Univariable statistical methods
		Numerical data analysis
	09:30-09:45	Tea Break
	09:45-11:00	Univariable statistical methods
Numerical data analysis (cont.)		
11:00-12:30	Univariable statistical methods	
	Categorical data analysis	
Lunch and break for prayers		
<b>Session 4</b>	14:00-15:00	Correlation
	15:00-17:00	Simple linear regression
	17:00	Tea

#### Day 3

<b>Session</b>	<b>Time</b>	<b>Topic</b>
<b>Session 5</b>	08:30-09:30	Introduction to multivariable analysis
	09:30-09:45	Tea Break
	09:45-11:00	Overview of multivariable analysis
	11:00-12:30	Multiple Linear Regression
Lunch and break for prayers		
<b>Session 6</b>	14:00-15:30	Multiple Linear Regression (cont.)
	15:30-17:00	Multiple Logistic Regression
	17:00	Tea

#### Day 4

<b>Session</b>	<b>Time</b>	<b>Topic</b>
<b>Session 7</b>	08:30-09:30	Multiple Logistic Regression (cont.)
	09:30-09:45	Tea Break
	09:45-10:45	Introduction to Survival Analysis
	10:45-11:45	Kaplan-Meier Survival Analysis
	11:45-12:30	Cox Proportional Hazards Regression
Lunch and break for prayers		
<b>Session 8</b>	14:00-17:00	Cox Proportional Hazards Regression (cont.)
	17:00	Tea

#### Day 5

<b>Session</b>	<b>Time</b>	<b>Topic</b>
<b>Session 9</b>	08:30-09:30	Multifactorial ANOVA
	09:30-09:45	Tea Break
	09:45-10:30	Multifactorial ANOVA (cont.)
	10:30-12:30	ANCOVA
Lunch and break for prayers		
<b>Session 10</b>	14:00-17:00	Repeated Measures ANOVA
	17:00	Wrap Up & Closing Ceremony