National Healthcare Group
Adding years of healthy life

Biostatistics
School of Biological Sciences (SBS), Nanyang Technological University, SBS-B1n-18 Computer Lab, 60 Nanyang Drive, Singapore 637551
22 – 24 November 2022

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	Speaker
Day 1		
8.45 – 9.00am	**Registration**	**Asst Prof Marie Loh** Assistant Professor of Molecular Epidemiology Lee Kong Chian School of Medicine, NTU
9.00 – 10.30am	Study Design	
10.30 – 11.00am	*Tea Break*	Senior Research Scientist (Epidemiology) at NSC
11.00am – 12.30pm	Data Management I • Data Preparation	
12.30 – 1.30pm	*Lunch*	Honorary Senior Lecturer at School of Public Health, Imperial College London
1.30 – 3.00pm	Data Management II • Descriptive Statistics	&
3.00 – 3.30pm	*Tea Break*	Dr Yew Yik Weng Dermatologist, NSC
3.30 – 5.00pm	Hypothesis Testing I • Parametric	

AGENDA (Con't)

Time	Topic	Speaker
Day 2		
9.00 – 10.30am	Hypothesis Testing II • Non-parametric	**Asst Prof Marie Loh** Assistant Professor of Molecular Epidemiology Lee Kong Chian School of Medicine, Nanyang Technological University Senior Research Scientist (Epidemiology) at NSC Honorary Senior Lecturer at School of Public Health, Imperial College London
10.30 – 11.00am	*Tea Break*	
11:00am – 11.30am	Correlation	
11:30am – 12.30pm	Sample Size and Power Calculations	
12.30 – 1.30pm	*Lunch*	
1.30 – 3.00pm	Regression Analysis I • Linear Regression	
3.00 – 3.30pm	*Tea Break*	
3.30 – 5.00pm	Regression Analysis I (Con't) • Linear Regression	

AGENDA (Con't)

Time	Topic	Speaker
Day 3		
9.00 – 10.30am	Regression Analysis II • Generalized Linear Model	**Asst Prof Marie Loh** Assistant Professor of Molecular Epidemiology Lee Kong Chian School of Medicine, Nanyang Technological University Honorary Senior Lecturer at School of Public Health, Imperial College London
10.30 – 11.00am	*Tea Break*	
11.00am – 12.30pm	Regression Analysis III • Logistic Regression	
12.30 – 1.30pm	*Lunch*	
1.30 – 3.00pm	Time-To-Event Analysis • Kaplan-Meier	
3.00 – 3.30pm	*Tea Break*	
3.30 – 5.00pm	Time-To-Event Analysis • Cox Regression	

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

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Course Fees

Category	Fees (Including gst)
NHG Institutions	$823.90
Non-NHG Institutions / Academic Institutions	$1235.85
Others / Private	$1647.80

*Please refer to the 'Course Fees Category Classification List' for the list of institutions.