



TEACHING FACULTY

Assoc Prof Tai Bee Choo

*Saw Swee Hock School of Public Health
Yong Loo Lin School of Medicine
National University of Singapore*

ADVANCED QUANTITATIVE METHODS

13 FEBRUARY TO 20 MARCH 2019 (WEDNESDAYS)

Lectures from 9AM to 12NN and Practical sessions from 1PM to 5.30PM

Please refer to the schedule for details

WHAT IS THE COURSE ABOUT?

This course is designed to introduce participants to the principles of statistical modelling, and equip them with the basic skills and knowledge needed to apply commonly used statistical models to a variety of clinical outcomes.

Presenting the principles of statistical modelling and statistical analysis using practice-based examples, the course emphasises on the understanding and the application of concepts and methods rather than on mathematical details. The following topics will be covered:

- Multiple Linear Regression
- Multiple Logistic Regression
- Methods for Analyzing Repeated Measures Data
- Analysis of Survival Data using Cox Proportional Hazards Regression

WHO SHOULD ATTEND?

Applied statisticians, clinicians, public and environmental health professionals, para-medical research professionals, scientists as well as laboratory-based researchers who would like to equip themselves with the skills to critically read, interpret and analyse research data using regression methods.

PREREQUISITES

Participants should have experience with statistical software, particularly STATA.

CLOSING DATE:

3 DECEMBER 2018

COURSE FEES:

\$1,337.50 (INCLUDING GST)

PAYMENT DUE:

4 JANUARY 2019

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REGISTER AT:

<http://tinyurl.com/SSHSPH1820>



THIS IS A STRICTLY NOT-FOR-CREDIT COURSE.

PARTICIPANTS WILL RECEIVE A CERTIFICATE OF ATTENDANCE IF MINIMUM ATTENDANCE IS ACHIEVED.

Advanced Quantitative Methods
Course Coordinator: A/Prof Tai Bee Choo

Date	Day/Time	Topic	Format	Hours	Venue @ SSHSPH (Tahir Foundation Building)
13 Feb 19	Wednesday				
	9.00AM – 12.00PM	Back to Basics	Lecture	3	Level 9 Tutorial Rooms 3 & 4
	1.00PM – 5.30PM	Summarising Data using STATA Practical 1: Exercise	Practical	4.5	Level 8 Com Lab 1
20 Feb 19	Wednesday				
	9.00AM – 12.00PM	Multiple Linear Regression	Lecture	3	Level 9 Tutorial Rooms 3 & 4
	1.00PM – 5.30PM	Multiple Linear Regression using STATA Practical II: Exercise	Practical	4.5	Level 8 Com Lab 1
Recess Week: Sat, 23 Feb 2019 to Sun, 3 Mar 2019 (No lesson)					
6 Mar 19	Wednesday				
	9.00AM – 12.00PM	Multiple Logistic Regression	Lecture	3	Level 9 Tutorial Rooms 3 & 4
	1.00PM – 5.00PM	Multiple Logistic Regression using STATA Practical III: Exercise	Practical	4	Level 8 Com Lab 1
	5.00PM – 5.30PM	Quiz	Test	0.5	Level 8 Com Lab 1
13 Mar 19	Wednesday				
	9.00AM – 12.00PM	Repeated Measurement Analysis	Lecture	3	Level 9 Tutorial Rooms 3 & 4
	1.00PM – 5.30PM	Repeated measurement analysis using STATA Practical IV: Exercise	Practical	4.5	Level 8 Com Lab 1
20 Mar 19	Wednesday				
	9.00AM – 12.00PM	Cox's Proportional Hazards Model	Lecture	3	Level 9 Tutorial Rooms 3 & 4
	1.00PM – 5.00PM	Survival Analysis using STATA Practical V: Exercise	Practical	4	Level 8 Com Lab 1
	5.00PM – 5.30PM	Quiz	Test	0.5	Level 8 Com Lab 1

*Please note the following:

1. The schedule is subject to change.
2. Quiz is optional and attempting the quiz will not lead to any academic credits.