Statistics Short Courses

Department of Health Science and Biostatistics

School of Health Sciences

Faculty of Health, Arts and Design

Course Schedule

Study Period 3, 2020 (Fully Online)

SWINBURNE UNIVERSITY OF TECHNOLOGY

TOPIC	PRESENTER	DATES*	PRE-REQUISITE
STAA0001: Basic Statistics -12 weeks (12 x 2 hrs or equivalent)	I.Guarnieri	From 31st August 2020 to 29th November 2020	None
STAA0002: Linear Regression (Simple and Multiple) and ANOVA-12 weeks (12 x 2 hrs or equivalent) (12 x 2 hrs)	I. Guarnieri	From 31st August 2020 to 29th November 2020	Basic Statistics
STAA0003A: Introduction to R-6 weeks (6x 2 hrs or equivalent)	P. Apputhurai	From 31st August 2020 to 11th October 2020	None
STAA0003B: Using R for Statistical Analysis -5 weeks (5 x 2 hrs or equivalent)	P. Apputhurai	From 12th October 2020 to 21st November 2020	Introduction to R
STAA0004A: Survey Design -6 weeks (6 x 2 hrs or equivalent)	I. Filonenko	From 31st August 2020 to 11th October 2020	Basic Statistics
STAA0004B: Research Design -6 weeks (6 x 2 hrs or equivalent)	W.S. Chen	From 12th October 2020 to 29th November 2020	Basic Statistics
STAA0005A: Multiple Linear and Logistic Regression -2 weeks (3 x 2 hrs or equivalent)	D. Voogd	From 31st August 2020 to 13th September 2020	Linear Regression and ANOVA
STAA0005B: Factor Analysis and MANOVA -6 weeks (6 x 3 hrs or equivalent)	D. Voogd	From 14th August 2020 to 25th October 2020	Linear Regression and ANOVA
STAA0006: Introduction to SAS -6 weeks (6 x 3 hrs or equivalent)	P. Madhamshettiwar	From 31st August 2020 to 11th October 2020	Linear Regression and ANOVA
STAA0007A: Forecasting -6 weeks (6 x 3 hrs or equivalent)	J. Bhowmik and R K Biswas	From 31st August 2020 to 11th October 2020	Linear Regression and ANOVA
STAA0007B: Advanced Forecasting with SAS -6 weeks (5 x 3 hrs or equivalent)	J. Bhowmik and R K Biswas	From 12th October 2020 to 21st November 2020	Forecasting
STAA0008 - Survey Sampling-11 weeks (11x3 hrs or equivalent)	S. Quinn and S. Won Chen	From 31st August 2020 to 21st November 2020	Introduction to SAS
STAA0009A: Introductory Structural Equation Modelling with AMOS -5 weeks (5 x 3 hrs or equivalent)	C.Critchley and L. Tirlea	From 31st August 2020 to 11th October 2020	Multiple Linear Regression, Factor Analysis and MANOVA
STAA0009B: Advanced Structural Equation Modelling (SEM) with MPLUS -5 weeks (5 x 3 hrs or equivalent)	C.Critchley	From 12th October 2020 to 21st November 2020	Introductory SEM
STAA0006: Introduction to Bayesian Statistics -6 weeks (6 x 3 hrs or equivalent)	P. Apputhurai	From 31st August 2020 to 11th October 2020	Multiple Linear Regression, Introduction to R
STAA0011: Data Mining 11 weeks (11 x 3 hrs or equivalent)	D.Meyer	From 31st August 2020 to 21st November 2020	Multiple Linear Regression, Factor Analysis and MANOVA

- Fully online delivery