

**Tshwane University of Technology (TUT)**  
**Tshwane University of Technology Continuing Education (TUT-CE)**  
**Time table for short course in STATA version 12**  
**21 to 25 May 2012**  
**Pretoria, South Africa**

### **Brief syllabus for short course**

Data entry and manipulation (log files, recode, merge, generate, do files, etc) in STATA version 12  
The sort command in STATA  
Frequency tables for discrete variables  
Summary statistics for continuous variables  
Pearson's chi-square tests of association  
One-sample tests and confidence intervals  
Two-sample tests and confidence intervals  
Simple and multiple linear regression analysis  
Binary and multinomial logistic regression analysis  
Tables for epidemiologists  
Estimation of adjusted odds ratios  
One-way Analysis of Variance (ANOVA)  
Repeated measures Analysis of Variance  
Non-parametric tests for one and two-samples  
Sample size calculations in STATA

**Reference:** Getting started with STATA version 12  
STATA Corporation, Houston, Texas, USA

### **Contact details of lecturer**

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APPENDIX A: Detailed time table for lectures

<b>MODULE CODE: STATA 101</b>	<b>MODULE TITLE: Use of STATA for Data Analysis</b>	<b>DATES: 21 to 25 May 2012</b>
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	08:30-10:00	10:00 – 10:30	10:30 - 12:30	12:30 - 13:30	13:30 - 15:00	15:00 – 15:15	15:15 – 16:00
MON	Data entry, manipulation, sorting in STATA	TEA	Frequency tables for discrete variables	LUNCH	Summary statistics for continuous variables, Pearson's chi-square tests of association	TEA	Examples and exercises
TUE	One-sample tests on the mean, confidence intervals for one-sample tests	TEA	Two-sample tests on means and proportions	LUNCH	One-way Analysis of Variance	TEA	Examples and exercises
WED	Linear regression analysis	TEA	Logistic regression analysis (binary)	LUNCH	Logistic regression analysis (multinomial)	TEA	Examples and exercises
THU	Tables for epidemiologists	TEA	Calculation of odds ratios and risk ratios	LUNCH	Estimation of adjusted odds ratios	TEA	Examples and exercises
FRI	Repeated measures Analysis of variance	TEA	Non-parametric tests	LUNCH	Sample size calculations in STATA	TEA	Questions and answers