



Human
Health

The second annual Summer School in Biostatistics

Presented by the School of Health Systems and Public
Health (SHSPH), University of Pretoria

1 – 14 October 2011

Inviting all researchers in clinical medicine, epidemiology, public health and biomedical or veterinary sciences!

The Summer School in Biostatistics is aimed at both new and experienced medical researchers.

For new /young researchers the first week will focus on an Introduction to Biostatistics as well as an introductory course in using STATA 11 software.

For more advanced researchers or people with a basic training in biostatistics there will be a course on Survival analysis using STATA in the second week.

There will also be a two-day course offered on an introduction to using Stata for the preparation of graphics.



**CONTINUING EDUCATION
UNIVERSITY OF PRETORIA**

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Programme

Week 1: 1st to 8th October 2011

a) Monday and Tuesday (3rd and 4th)

8:30-16:00 daily

Basic Biostatistics for Health Researchers

This will be an introductory course aimed at new researchers and clinicians involved in biomedical research. The course will cover basic concepts like distributions, descriptive statistics, hypothesis testing and confidence intervals, statistical tests for comparing groups, regression analysis and sample size planning. The course will focus on principles and exercises not requiring the use of statistical software.

Presenters: Prof. Paul Rheeder (Head of Division of Clinical Epidemiology and the Epidemiology and Biostatistics Track at the SHSPH), Ms. Loveness Dzikiti (Biostatistician, SHSPH).

Course Fee: R2 800

b) Wednesday to Friday (5th to 7th)

8:00-16:00 daily

Analysis of biomedical data using STATA

This will be a STATA 11 introductory course (with computer practicals). The course will cover data entry and importing, data manipulation, statistical tests (parametric and non parametric), and an introduction to regression commands (linear, logistic, Poisson and Cox proportional hazards).

Presenters: Prof. Paul Rheeder (Head of Division of Clinical Epidemiology and the Epidemiology and Biostatistics Track at the SHSPH), Prof. BV Girdler-Brown (Extra-ordinary professor, SHSPH), Ms. Loveness Dzikiti (Biostatistician, SHSPH).

Course Fee: R4 200

c) Saturdays: 8th and 15th October

9:00-12:30 daily

Introduction to graphics using STATA

These Saturday morning sessions are designed to introduce participants to the preparation of graphics, suitable for reports and publications, using Stata.

Presenter: Prof. BV Girdler-Brown (Extra-ordinary professor, SHSPH)

Course Fee: R 1 750



Week 2: 10th-14th October 2011

a) Monday to Friday: 8:30-16h00

Survival Analysis using STATA.

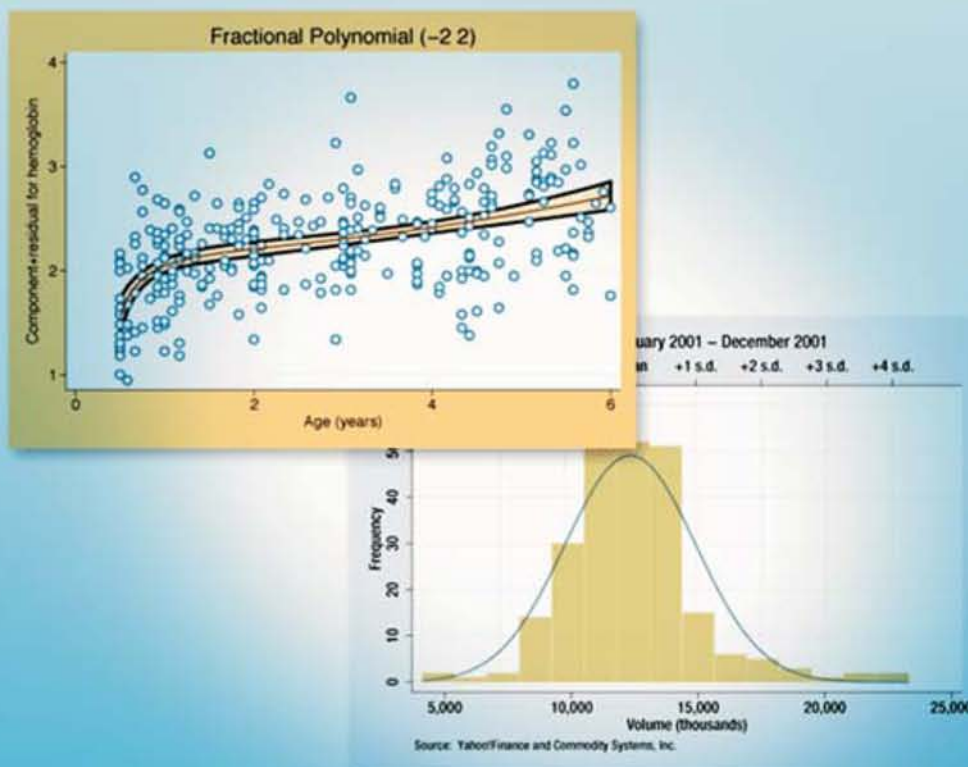
This course will cover the theory of survival analysis, construction of life tables, Kaplan-Meier survival analysis, and the Cox proportional hazards model and testing of assumptions, Cox regression involving time dependent covariates, frailty models and competing risk regression.

The course will include didactic lectures as well as extensive computer practical's using STATA 11.

Presenter:

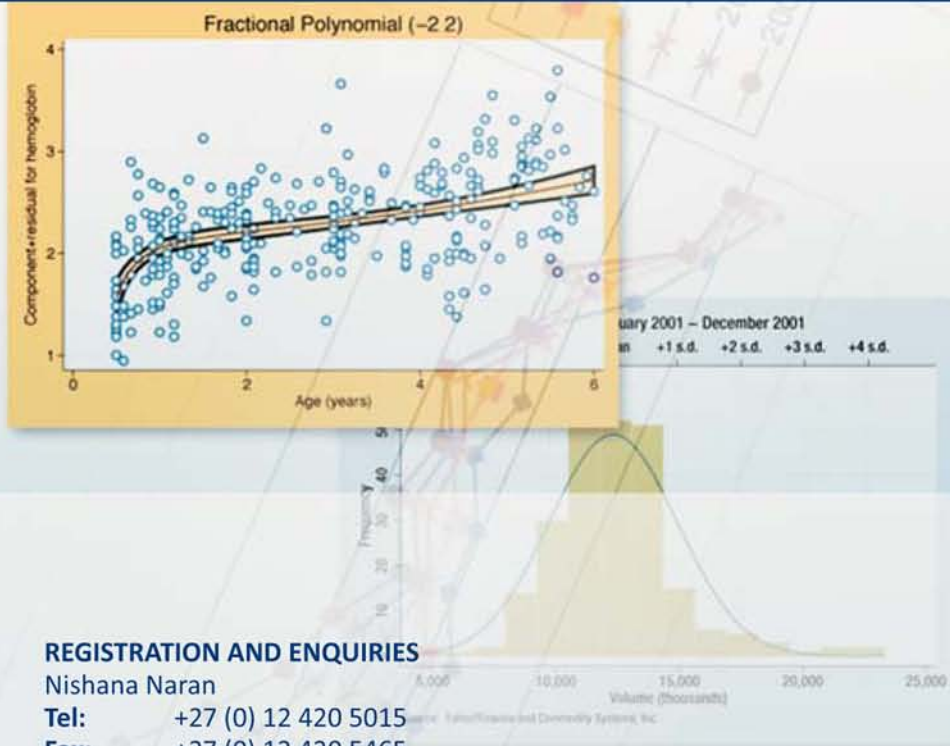
Dr Khangelani Zuma is the Chief Research Specialist and Head of Biostatistics of the HIV/AIDS, STIs and TB research program of the Human Sciences Research Council (HSRC). He has a Master degree from Hasselt University in Belgium and a PhD from Waikato University, New Zealand. He has extensive research and teaching experience and has published extensively.

Course Fee: R 6 250



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