

FROM A FEW

Cape Town (South Africa), 2 – 3 OCTOBER 2025

TO THE WHOLE CROWD

A practical introduction to sampling
and survey data analysis.

Want to understand the links
sampling strategies, sample
size, analysis techniques,
and accuracy of estimates
In population research?
Learn how to analyse
survey data?
Get practical insights
on collecting and
analysing sample data?

This workshop on
sampling and survey
data analysis is for you!



COURSE INFORMATION AND CONTENT

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REGISTRATION AND GENERAL ENQUIRIES

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SAMRC Conference Centre
Francie van Zijl Drive
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Brief Description

This two-day workshop on sampling and survey data analysis organised by the [Burden of Disease Research Unit](#) at the South African Medical Research Council and the [Division of Epidemiology and Biostatistics](#) at the University of Cape Town aims at providing participants with a deep understanding of the links between sampling strategy, sample size, analysis technique, and accuracy of estimates in population research.

During this workshop, we will conduct a series of ‘virtual surveys’ on a simulated human population of 160 000 individuals inhabiting a hypothetical territory. The participants will be able to interact with the virtual population (‘visit’ regions and villages, sample household and individuals, administer questionnaires and collect responses) through a graphical web application (the [SurveyLab](#)) to which they will be given access during the workshop.

The results of these experiments will be used as ‘case studies’ to get a practical understanding of the pros and cons of alternative sampling strategies and statistical methods, and how poor choices can lead to profoundly misleading results and/or waste of resources. We will use the data gathered during the virtual surveys to illustrate alternative approaches that can be used to analyse this kind of information.

Who should attend

Researchers, students, and professionals who want to acquire a deeper understanding of issues related to the analysis and interpretation of data gathered from samples of large populations

Data analysis examples will be presented using R (<https://www.R-project.org/>), and some previous exposure to this programming language will be helpful.

Fees

R 3000 – South Africa and SADC countries

R 5000 – Other

Presenters



Dr Annibale Cois, PhD

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