2-3 OCT 2025

FROM A FEW
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**!*

SAMRC CONFERENCE CENTRE
Francie van Zijl Drive, 7505 Tygerberg, Cape Town, South Africa

Course Information and Content
Dr Annibale Cois | Annibale.Cois@mrc.ac.za

Registration and General Enquiries
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CLICK HERE

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.

For more information:

https://annibalecois.github.io/teach/sampling/

Presenter: Dr Annibale Cois, PhD

Senior Specialist Scientist, Burden of Disease Research Unit, South African Medical Research Council; **Honorary Senior Lecturer,** Division of Epidemiology and Biostatistics, University of Cape Town

Presenter: Dr Makandwe Nyirenda, PhD

Specialist Scientist, Burden of Disease Research Unit, South African Medical Research Council; **Honorary Senior Lecturer,** School of Nursing and Public Health, the University of KwaZulu-Natal

FEES: South Africa and SADC countries: **R3000** | Other: **R5000**

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