

## From a few to the whole crowd: a practical introduction to sampling and survey data analysis



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# The South African Medical Research Council recognizes the catastrophic and persisting consequences of colonialism and apartheid, including land dispossession and the intentional imposition of educational and health inequities.

Acknowledging the SAMRC's historical role and silence during apartheid, we commit our capacities and resources to the continued promotion of justice and dignity in health research in South Africa.





### Senior Specialist Scientist

South African Medical Research Council, Burden of Disease Research Unit

Mar 2024 - Present · Cape Town, South Africa

### **Honorary Senior Lecturer**

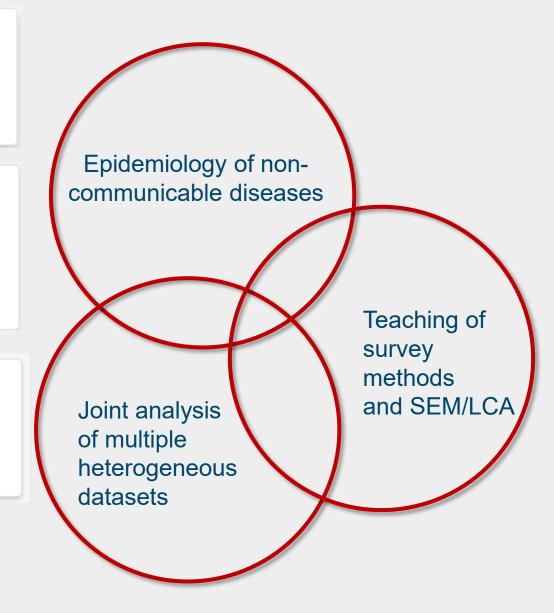
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Jan 2019 - Present · Cape Town, South Africa

### **Visiting Researcher**

University of Greenwich, Institute for Lifecourse Development

May 2022 - Present · London, UK



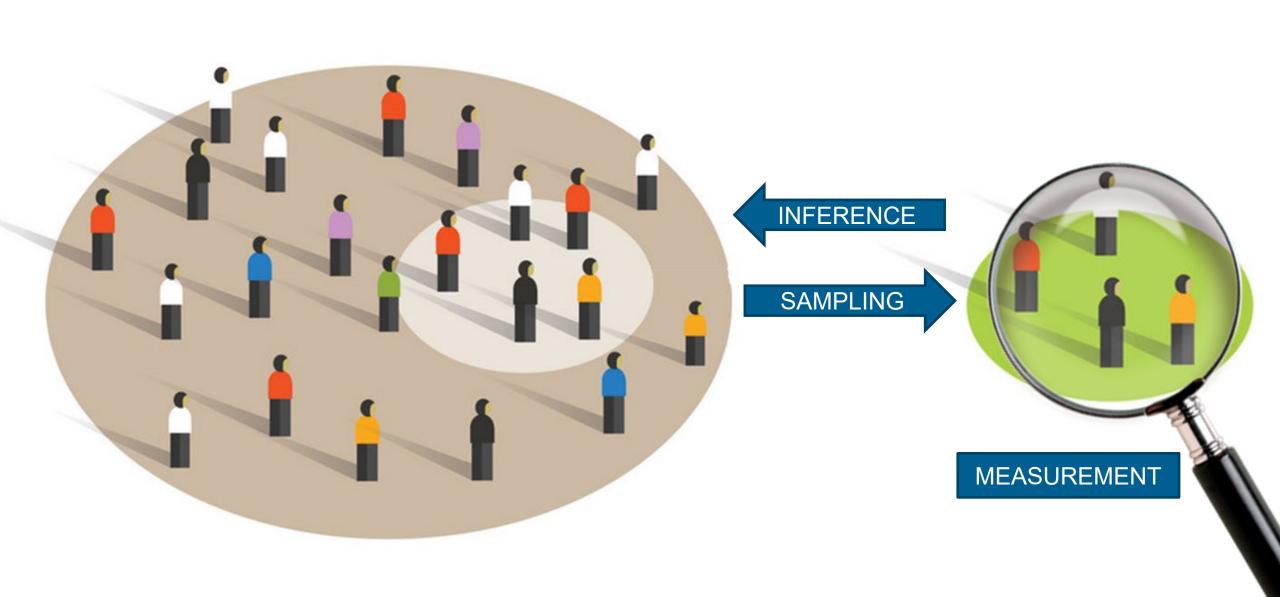


https://annibalecois.github.io/



Epidemiology is the study of how often specific health statuses or diseases occur in different groups of people and why





- Representativeness of a sample
- Bias, precision of an estimate

- Sample sizes, power and precision
- Sampling strategies
- How to analyse sample data: approaches, dos and don'ts





### The research question(s)

What is the average systolic blood pressure of the SurveyLab adult population (18+)?

What is the **prevalence of diabetes** in the Survey*Lab* adult population (18+)?