



# Institute for Capacity Development (ICD)

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## Research Methods and Survey Methodology and Data Management

### Course Objectives

Upon successful completion of this course participants should be able to:

- Discuss the relevance of reliable data collection process in Research
- Come up with policy research proposals
- Design appropriate research instruments
- Use relevant computer packages for data management and extrapolation
- Link research results to successful policy implementation

### Target Groups

- Policy analysts,
- Researchers
- Economists
- Development planners and Government employees
- Academics and commentators
- Legislators

### Course Outline

- General Management skills and principles
- The policy making process
- Relevance of data and research in policy formulation and implementation
- Identification of development problems
- Coming up with proposals
- The research process
- Understanding and application of different research methods
- Research designs
- Principles of survey analysis
- Survey error and measurement
- Cross cultural survey research:

- Study design and study specifications
- Instrument sampling: sampling design
- Instrument design and evaluation - Questionnaire design
- Instrument testing
- Data collection methods
- Data cleaning and mining
- Extrapolation and interpolation methods
- Data analysis using software
- Impact of data collection methods on survey errors
- Regression analysis and forecasting
- Action planning

Dates: 04<sup>th</sup> – 15<sup>th</sup> March 2024

Duration: 2 weeks

Course Costs: US\$3150

Venue: Pretoria, RSA