The Result

Call for Applications

From Research Design to Data Analysis:
Hands-On Training in Quantitative Data Collection, Management, and Analysis

1. Background

Research and innovation are among the most powerful drivers of job creation, economic transformation, and community development. Yet, despite the abundance of research outputs and innovations produced daily, a persistent gap remains between knowledge generation and its translation into tangible impact for communities.

One of the critical barriers is the limited capacity to conduct rigorous research that generates reliable, evidence-based results. In line with one of our core missions, which is to promote research for the betterment of the global population, The Result, together with its partners, is implementing a project titled "From Knowledge to Impact". The project seeks to strengthen research practices and innovations so that they respond to employment outcomes, stakeholder needs, and community development.

It is against this background that The Result is organizing a training on designing quantitative data collection tools, digitalizing these tools and collecting data using KoboToolbox, managing and cleaning datasets using advanced Excel functions, and analyzing data using SPSS.

2. Training Objectives

General objective: To strengthen participants' capacity to design, collect, manage, and analyze quantitative research data in order to produce reliable and evidence-based findings.

Specific objectives: By the end of this training, participants will be able to:

- Formulate a clear and well-grounded research problem statement.
- Develop specific, measurable, and achievable research objectives.
- Design well-structured quantitative data collection tools aligned with the study objectives.

- Digitalize data collection tools and collect data using KoboToolbox.
- Manage and clean datasets using advanced Excel functions.
- Perform descriptive and inferential statistical analysis using SPSS.
- Interpret and discuss results to draw sound conclusions and practical recommendations.

3. Expected Results

This is a hands-on training: by the end, each participant will have designed, collected, cleaned, and analyzed data for their own study. Specifically, participants will have achieved the following:

- **Strengthened research design skills:** Participants formulate clear problem statements and well-aligned research objectives, questions, and hypotheses for their ongoing or upcoming studies.
- **Quality data collection tools:** Participants develop well-structured quantitative questionnaires that are aligned with their study objectives and ready for use in their own research.
- **Digital data collection competence:** Participants build, deploy, and monitor digital data collection forms using Kobo Toolbox, including skip logic, constraints, and offline data collection.
- **Improved data management skills:** Participants organize, clean, and prepare analysis-ready datasets using advanced Excel functions, with proper coding and documentation.
- **Statistical analysis competence:** Participants perform appropriate descriptive and inferential analyses in SPSS and present results in clear tables and figures.
- **Evidence-based interpretation and reporting:** Participants interpret and discuss findings accurately and translate them into sound conclusions and practical recommendations that contribute to community impact.
- **Enhanced employability and job opportunities:** Participants gain practical, in-demand data skills in Kobo Toolbox, advanced Excel, and SPSS that increase their competitiveness for jobs, internships, and consultancies in research, monitoring and evaluation, and data analysis.

4. Training Content

The training runs from 19th October to 13th November 2026, on Mondays, Wednesdays, and Fridays (12 days), from 6:00 PM to 8:30 PM. It is organized into six modules and 24 sessions, starting with a short pre-training survey. Each Friday ends with a homework assignment in which participants apply the week's skills to their own research. Most days have two sessions of 1 hour 15 minutes each, while questionnaire design is covered in one full-evening session.

Time	Content/Subtopics	Learning Objectives	Methodology	Materials	Responsible Person
MODULE 1: RESEARCH FOUNDATIONS					
Day 1, Monday, 19th October 2026					
6:00 PM – 6:15 PM	Session 1: Pre-training survey	Assess participants' baseline knowledge and expectations	Online questionnaire	Survey link (shared in chat)	Trainer
6:15 PM – 7:15 PM	Session 2: Training overview and the importance of sound research practices	Explain why rigorous research practices matter	Interactive presentation, introductions	Slides, training guide	Trainer
7:15 PM – 8:30 PM	Session 3: How to develop a research problem	Identify and articulate a research problem	Worked examples, practical exercise	Sample problem statements	Trainer
Day 2, Wednesday, 21st October 2026					
6:00 PM – 7:15 PM	Session 4: Formulating research objectives, questions, and hypotheses	Develop aligned objectives, questions, and hypotheses	Facilitated discussion, group work	Objective-setting templates	Trainer
7:15 PM – 8:30 PM	Session 5: Understanding variables and the conceptual framework, and why identifying variables is important	Identify study variables and build a conceptual framework	Guided exercise	Sample conceptual frameworks	Trainer
MODULE 2: DESIGNING QUANTITATIVE DATA COLLECTION TOOLS					
Day 3, Friday, 23rd October 2026					

Time	Content/Subtopics	Learning Objectives	Methodology	Materials	Responsible Person
6:00 PM – 8:30 PM	Session 6: Principles of questionnaire design (question types, scales, and Likert items)	Draft a structured questionnaire	Demonstration, hands-on practice	Sample questionnaires	Trainer
Homework (due next session)	Homework: Draft a questionnaire for your own study based on your problem statement, objectives, and variables	Apply Modules 1 and 2 to own research	Individual assignment	Questionnaire template	**Participants**
MODULE 3: DIGITAL DATA COLLECTION USING KOBOTOOLBOX					
Day 4, Monday, 26th October 2026					
6:00 PM – 7:15 PM	Session 7: Introduction to KoboToolbox, account set-up, and the form builder	Create a basic digital form	Live demonstration, hands-on practice	KoboToolbox accounts, laptops	Trainer
7:15 PM – 8:30 PM	Session 8: Advanced form design with XLSForm (skip logic, constraints, calculations)	Build a digital form with logic and validation	Hands-on practice	XLSForm templates	Trainer
Day 5, Wednesday, 28th October 2026					
6:00 PM – 7:15 PM	Session 9: Deploying forms and collecting data with KoboCollect, including offline collection	Deploy a form and collect test data	Demonstration, field simulation	Smartphones, KoboCollect app	Trainer
7:15 PM – 8:30 PM	Session 10: Monitoring submissions, data quality checks, and exporting data	Monitor and export collected data	Hands-on practice	Test datasets	Trainer
MODULE 4: DATA MANAGEMENT AND CLEANING USING ADVANCED EXCEL					
Day 6, Friday, 30th October 2026					
6:00 PM – 7:15 PM	Session 11: Structuring datasets, coding, and preparing a codebook	Organize a well-structured dataset	Live walkthrough, guided exercise	Sample datasets, codebook template	Trainer

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7:15 PM – 8:30 PM	Session 12: Data cleaning functions (TRIM, PROPER, Remove Duplicates, Text to Columns, Data Validation) and handling missing values and outliers	Clean raw data and handle missing values and outliers	Hands-on practice	Raw practice datasets	Trainer
Homework (due next session)	Homework: Digitalize your questionnaire in KoboToolbox, collect at least 10 test responses, and clean the exported dataset in Excel	Apply Modules 3 and 4 to own research	Individual assignment	KoboToolbox account, Excel	**Participants**
Day 7, Monday, 2nd November 2026					
6:00 PM – 7:15 PM	Session 13: Advanced functions I: logical functions (IF, IFS, AND/OR, IFERROR)	Classify and check data using logical formulas	Demonstration, hands-on practice	Excel exercise files	Trainer
7:15 PM – 8:30 PM	Session 14: Advanced functions II: statistical functions (COUNTIFS, SUMIFS, AVERAGEIFS)	Summarize data by one or more conditions	Hands-on practice	Excel exercise files	Trainer
Day 8, Wednesday, 4th November 2026					
6:00 PM – 7:15 PM	Session 15: Advanced functions III: lookup and array functions (VLOOKUP/XLOOKUP, INDEX/MATCH, UNIQUE, FILTER)	Match, merge, and extract data across sheets	Demonstration, hands-on practice	Excel exercise files	Trainer
7:15 PM – 8:30 PM	Session 16: Pivot tables and preparing data for SPSS	Summarize data and produce an analysis-ready dataset	Guided exercise	Practice datasets	Trainer
MODULE 5: DATA ANALYSIS USING SPSS					
Day 9, Friday, 6th November 2026					
6:00 PM – 7:15 PM	Session 17: Introduction to SPSS: importing data, variable view, labels, recoding, and computing variables	Set up and prepare data in SPSS	Demonstration, hands-on practice	SPSS software, clean datasets	Trainer

Time	Content/Subtopics	Learning Objectives	Methodology	Materials	Responsible Person
7:15 PM – 8:30 PM	Session 18: Descriptive statistics (frequencies, measures of central tendency, cross-tabulations, charts)	Summarize data descriptively	Hands-on practice	SPSS exercise files	Trainer
Homework (due next session)	Homework: Apply the advanced Excel functions to your dataset, import it into SPSS, and produce descriptive tables and charts	Apply Modules 4 and 5 to own research	Individual assignment	Own dataset, SPSS	**Participants**
Day 10, Monday, 9th November 2026					
6:00 PM – 7:15 PM	Session 19: Normality tests, chi-square test, and t-tests	Choose and run appropriate tests	Worked examples, hands-on practice	SPSS exercise files	Trainer
7:15 PM – 8:30 PM	Session 20: One-way ANOVA and correlation analysis	Compare groups and test relationships	Hands-on practice	SPSS exercise files	Trainer
Day 11, Wednesday, 11th November 2026					
6:00 PM – 7:15 PM	Session 21: Regression analysis (linear and binary logistic)	Run and read regression models	Demonstration, hands-on practice	SPSS exercise files	Trainer
7:15 PM – 8:30 PM	Session 22: Presenting results in tables and figures (APA style)	Present results professionally	Guided exercise	Sample results chapters	Trainer
MODULE 6: INTERPRETATION, DISCUSSION, AND REPORTING					
Day 12, Friday, 13th November 2026					
6:00 PM – 7:15 PM	Session 23: Interpreting and discussing results, drawing conclusions and recommendations	Link findings to objectives and literature	Case analysis, group critique	Sample theses and articles	Trainer
7:15 PM – 8:30 PM	Session 24: Participant mini-project presentations, recap, evaluation, and certification	Demonstrate skills gained	Presentations, feedback	Participants' projects	Trainer

Time	Content/Subtopics	Learning Objectives	Methodology	Materials	Responsible Person
Homework (after training)	Homework: Complete the post-training survey and apply the full workflow to your ongoing research	Consolidate and apply skills gained	Individual assignment	Survey link, own research project	**Participants**

Notice: Participants who already have their research projects or data collection tools are encouraged to bring them to work on during the practical sessions. Final-year postgraduate students are also invited to bring their research projects for discussion, in order to receive practical guidance on their research design, data collection, and analysis.

5. Participants

This training is specifically designed to target:

- **Postgraduate students** (Master's and PhD) from all disciplines, especially those preparing or conducting their thesis or dissertation research.
- **Junior researchers and research assistants** in universities, research centers, and consultancy firms.
- **Monitoring and evaluation (M&E) officers and project staff** in NGOs, development partners, government institutions, and the private sector who conduct surveys, baseline studies, and evaluations.
- **Health and social sector professionals** involved in data collection and reporting, such as public health officers, social workers, and community programmer staff.
- **Data collectors, enumerators, and field supervisors** who wish to move from collecting data to managing and analyzing it.
- **Recent graduates and job seekers** looking to gain in-demand data skills that increase their employability.

Applicants should demonstrate commitment to applying the skills learned in their ongoing or upcoming research projects or work.

6. Date and Venue

The training will be held virtually from 19th October to 13th November 2026. Sessions will take place on Mondays, Wednesdays, and Fridays, from 6:00 PM to 8:30 PM (Central Africa Time). The meeting link will be shared with registered participants.

7. Requirements and Learning Materials

To take part fully in the practical sessions, each participant should have:

- **A laptop or desktop computer** with a stable internet connection.
- **A smartphone** (Android recommended) to test data collection with the KoboCollect app.
- **Microsoft Excel,** preferably Excel 2021 or Microsoft 365, since some advanced functions are only available in these versions.
- **IBM SPSS Statistics.** Participants who do not have SPSS will be provided with the setup file and guided on how to install it before the SPSS module begins.

KoboToolbox is free to use, and participants will be guided on creating their accounts during the training. All sessions will be recorded, and the recordings, presentation slides, and practice datasets will be shared with registered participants, so that anyone who misses a session can catch up and everyone can revise at their own pace.

8. Participation Fee and Payment Process

The participation fee is 50,000 Rwf, which covers training facilitation, training materials, and certificates. Participants may pay the full amount at once or in two instalments as follows:

- **First instalment:** 25,000 Rwf, payable upon registration and no later than 15th October 2026.
- **Second instalment:** 25,000 Rwf, payable no later than 30th October 2026.

Limited places: The training is limited to 40 participants. Places are allocated on a first-come, first-served basis, and a place is booked only after payment of at least the first instalment.

All payments should be made via MTN Momo Pay (182*8*1*1588357), registered to THE RESULT CONSULT CO LTD. Please use your full name as the payment reference. Certificates will be issued only to participants who have completed the full payment.

To register, please click Here .For more information, please contact this number :**0788 357 721** or visit our website at www.theresult.rw.

9. Certificate

At the end of the training, participants who attend the sessions and complete the practical assignments will receive a certificate of completion from The Result, attesting to their practical skills in quantitative data collection tool design, KoboToolbox, advanced Excel, and SPSS. The certificate can be added to CVs, job applications, and professional profiles such as LinkedIn.

The deadline for application is 15th October 2026.

Kindly share this call with colleagues, students, and networks who may benefit from this training.

Done at Kigali, 29th September 2026

Josee Uwase
Country Manager Rwanda