

Social workers in NGOs face the challenge of interpreting qualitative data collected through community interactions. Researchers in social sciences struggle to interpret data and publish papers. People from other sciences and engineering mainly depend on quantitative data and stay away from qualitative data. However, depending on only quantitative data poses two challenges - *inadequacy of data* and *need for rigour in the analysis*.

For example, a *water quality perception study* in a given community quickly provides useful insights, provided the data is analysed methodologically. On the other hand, a lab analysis of water samples reveals invisible pollutants but requires considerable resources and efforts.

A judicious blend of qualitative & quantitative methods defines pathways for optimum results. This training course aims to equip the participants with essential survival skills of qualitative and quantitative data analysis using Ms-Excel and open source CAQDAS.

## Details

Mode: **Online**

Duration: **09.10.2023 to 14.10.2023 (6 days)**

Time: **4.00-5.30 pm everyday**

Registration Link:

<https://forms.gle/gW19sBqoMb8xJTPs5>

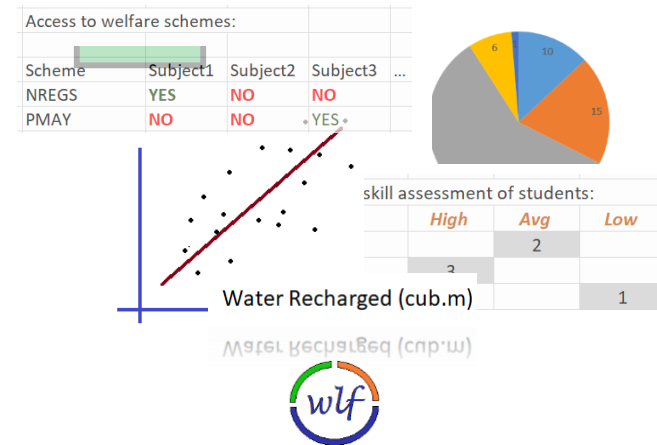
Meeting Link: **Shared later with the registered participants**

Fee: **Before 09.09.23 - Rs. 750**  
**After 09.09.23 - Rs.1,250**

# Qualitative and Quantitative Data Analysis Pathways

**09-14 Oct 2023 (6 days, 4.00-5.30 pm)**

**Survival Skills for NGO workers and researchers in water sector**



**Water and Livelihoods Foundation**  
12-13-451, St. No.1, Tarnaka  
Hyderabad, India. [www.wlfoundation.in](http://www.wlfoundation.in)

## About WLF

Water and Livelihoods Foundation (WLF) is an NGO based in Hyderabad, India. WLF strives towards achieving water security and livelihoods enhancement of poor through community development initiatives, action research & innovations and skill development.

Contributing to the skill building of NGOs, development workers and researchers is one of the major objectives of WLF. Over the last six years, WLF organized 13 online, offline and onsite training courses in India and Bhutan. (<http://www.wlfoundation.net/training-programs.html>).

## RESOURCE PERSONS

R.V.Ramamohan & Team

Ramamohan has got about 25 years of professional experience in NGOs, particularly on water, NRM and livelihoods enhancement. He holds an M.E. in Water Res. Engg.

He has expertise in dealing with both qualitative and quantitative data systems and choosing combination pathways in the design of baseline systems, impact monitoring etc.

He has been constantly innovating and developing tools for design of data analysis, project MIS, design of staff performance assessment system etc.

## OBJECTIVES OF THE COURSE

To equip the participants with the essential survival skills in handling qualitative and quantitative data.

## COURSE CONTENT

The course content covers but not limited to the following:

- *Types of data* - numerical, textual, non-textual, pictorial, symbolic etc.
- *Collection methods* - measurements, interviews, surveys, FGDs, ethnography
- Research questions and research plan
- Qualitative data analysis methods  
*Measures of central tendency, variability, correlations, regression, frequency analysis, classification, significance tests, spatial trends, graphical representations*
- Quantitative data analysis methods  
*Content analysis, coding, classification/ clustering, transformations, scaling-indices, visualization & inferencing, introducing CAQDAS*
- Blending qualitative and quantitative methods
- Design of analysis pathways - backflow system in designing baseline / endline data; design of staff performance system

Quantitative methods assume significance with numerical data and measurements. Qualitative approaches dominate while assessing non-numerical and behavioural aspects, such as, awareness, skills, performance, access and inequality, cohesion etc. The training course will use few real-life examples to demonstrate various qualitative and quantitative methods.

## METHODOLOGY

The focus is on application of various methods to the given practical situations. Participants are encouraged to practice on their own computers/laptops. The time-lag between sessions is deliberately planned for effective assimilation of inputs and to provide some practice time before the next session begins.

## EXPECTED BACKGROUND OF PARTICIPANTS

NGO staff / researchers / data professionals involved in rural and urban interventions (in agriculture, water conservation, forestry, soil & water conservation, health, education sectors etc.) with basic knowledge of computers.

## COURSE FEE & METHOD OF REGISTRATION

- Early bird offer - Applied before 09 Sep 2023 → Rs. 750 per participant
- Applied after 09 Sep 2023 → Rs.1,250 per participant.

The purpose of this small course fee is only to discourage non-serious participants.

Registrations are done through the link: <https://forms.gle/gW19sBqoMb8xJTPs5>. The course fee contribution may be done to the bank account of WLF provided in the above link and payment details filled in.

Also, participants are encouraged to suggest specific methods and data types to include in the training curriculum using the registration link above.

For any further enquiries, mail to: [wlfoundation@outlook.com](mailto:wlfoundation@outlook.com) (or) call +91 9440194866 (Ramamohan).