

Analysis of 'data' is a pain if one does not know how to tame it. Development workers and NGO staff face this problem throughout their project cycles. In absence of prior knowledge of how to analyze and use the data, one ends up collecting much more than what is really necessary.

Volumes of data (such as, demography, irrigation, sanitation, crop diversity, land ownership, family incomes etc.) painstakingly collected by NGO workers lands in Microsoft Excel worksheets. 'Percentage' and 'Average' are the only aggregating tools often used by the NGO workers to shred the raw data.

This training course aims to equip the participants with 10 essential techniques of taming data using simple graphical, deterministic and statistical tools. While utilizing powerful statistical tools in MS-Excel, this course introduces Calc and R, which are free and open source software (FOSS).

Venue

St. Ann's Generalate

12-13-485, Tarnaka, Nagarjuna Nagar Colony, Behind CCMB, Hyderabad-17

Phone: 040 27158378 /27153453

Location Map:

<https://goo.gl/maps/vssGnqeoqvw>

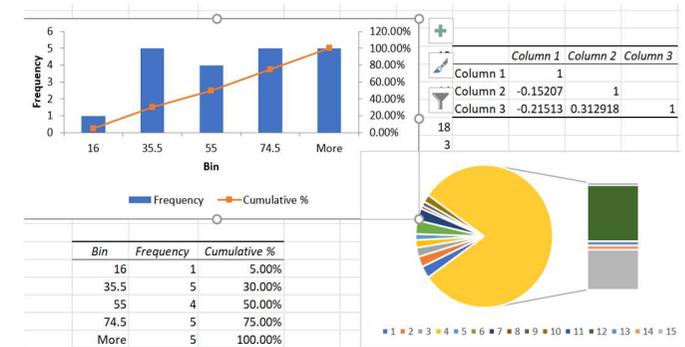
Duration: 18.02.2019 (10.00 am) to 20.02.2019 (04.00 pm)

Medium: English / Telugu

Data Analysis, Visualization and Interpretation

18-20 Feb 2019 (3 days)

Basic Skills Course for NGOs in Water and Related Sectors



Water and Livelihoods Foundation
Hyderabad, India

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. Apart from themes such as, water quality, GIS applications, ground water recharge etc., WLF offers skill building modules on data compilation, analysis and interpretation.

Through its skill-building efforts, WLF would like to improve the quality of service delivery by the participants and make positive impact on the life of poor and deserving communities.

RESOURCE PERSONS

R.V.Ramamohan & Team

Ramamohan has got about 20 years of professional experience in NGOs, particularly on water, NRM and livelihoods enhancement. He holds an M.E. in Water Resources Engineering. He has been constantly experimenting with design of data analysis tools that improve project implementation strategies.

OBJECTIVES OF THE COURSE

To equip the participants with 10 essential techniques of taming data using simple graphical, deterministic and statistical tools.

COURSE CONTENT

Techniques and methods of handling following types of data encountered frequently by NGO workers:

1. Time series data (*Ex: monthly rainfall, monthly ground water level data etc.*)
2. Correlating base-line data, mid-term & end-line data from a project area
3. Analyzing relationships among lumped-parameter data (*Ex: rainfall-crop yield-market prices-income data of farmers*)
4. Situation analysis data (*Ex: current status of household sanitation; access to potable water supply etc.*)
5. Behavioral change data (*Ex: hygienic practices, gender awareness, immunization/vaccination of children etc.*)
6. Geographically-varying data (*Ex: child births, infant mortality, ground water quality, soil fertility, distance to health center etc.*)

Further, the training course differentiates between look-alikes (Ex: Bar Chart and Histogram), delves on common mistakes in sampling of data and dealing with outliers.

METHODOLOGY

Both conceptual and practical skills are provided for each of the data type listed under Course Content. Participants are encouraged to bring their own laptops for practice sessions. Software provided by organizers.

EXPECTED BACKGROUND OF PARTICIPANTS

NGO staff and development 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 APPLICATION

- Early bird offer - Applied before 15 Jan 2019 → Rs. 2,800 per participant
- Applied after 15 Jan 2019 → Rs.3,900 per participant

Course fee covers shared accommodation (for out-station participants), food and study material. Women professionals get 10% concession. Participation certificates will be sent by WLF after completion of the training course.

Signed applications on a plain paper (Name, Organization, Address, e-mail, mobile no., Academic Qualifications, Professional experience, Cheque no. / date.) may be send along with the Cheque (on 'Water and Livelihoods Foundation') to:

Water and Livelihoods Foundation
12-13-451, Street no.1, Tarnaka
Secunderabad-500017, Telangana
Ph:040 27014467, wlfoundation@outlook.com

