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Pakistan Office: Suite 03, First Floor, Capital
Trade Centre, F-10 Markaz, Islamabad

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Hands-on online training on
“Data Speaks: Using R to Visualize Insights”

Dates: November 27-28, 2025

Complete registration by 24 November 2025.

Venue: Online

Register [HERE](#)

Are you passionate about data and interested to know more about the power it contains? This training is designed for those who work with data and do the analysis for insight generation. Whether it's official statistics (business, trade, agriculture, climate, etc.), big data (e.g., citizen-generated data), traditional data (census, survey datasets), or modern data (social media data), this training is designed for you.

We are also running the needs assessment to understand training needs better:

[Click here to participate.](#)

Learning outcomes:

- Understand the role of data visualization in exploring, analyzing, and communicating insights effectively.
- Use R and RStudio to import, prepare, and structure data for visualization.
- Apply the ggplot2 package to create meaningful and publication-quality visualization.
- Customize visual elements (themes, colors, labels, scales) to enhance clarity and storytelling.
- Select appropriate chart types (bar, line, box, histogram, scatter, etc.) based on data and message.
- Interpret visualization to derive and communicate key insights from data.
- Create simple dashboards or multi-plot layouts for reports or presentations.
- Apply best practices in data visualization for transparency, accessibility, and impact.

Who should attend?

- Data Analysts and Statisticians:
 - Working in government, national statistics offices, or research organizations
 - Want to enhance how they communicate findings visually.
- Monitoring and Evaluation (M&E Officers)
 - Collect and analyze project data but rely on Excel or manual charts.
 - Can benefit from automated, reproducible visual reporting in R.
- Policy Analysts and Economists:



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- Need to turn complex data into visuals for reports, briefs, and dashboards.
- Researchers and Academics:
 - Looking to upgrade from static graphs to publication-quality visualizations.
- Development Practitioners and Program Managers
- Students or early-career professionals in data science, economics, public health, or social sciences.
- Communication staff who work on data storytelling or report preparations.
- Consultants who prepare analytical reports for clients.

For this training, familiarity with R and RStudio is preferrable. In case you have not worked with R before, we have a separate 3 hours session on “Introduction to R”, organized on November 26, 2025 at 7:30 UTC.

Training Modules¹

Day 1—Foundation (3 hours)

1. Introduction to data storytelling and visualization principles
2. Getting started with R and RStudio
3. Data wrangling for visualization (dplyr, tidyr)
4. Introduction to ggplot2: building plots layer by layer
5. Recap and Reflections

Day 2—Practice & Insights (3 hours)

1. Customizing plots (themes, labels, legends, facets)
2. Choosing the right chart for the message
3. Creating multi-panel visuals and saving outputs
4. Mini hands-on project: Telling a data story with R.
5. Discussion and wrap-up

Last date to register:

November 24, 2025

Training dates:

Training will be held from November 27–28, 2025 (07:00 – 10:00 UTC). All those who need alternative date and time, please be in touch to set up as per the convenience. It will be convened online. Further details on meeting link and related details will be shared with the registered participants.

¹ Training content can overlay between days



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Note: We encourage people to apply well on time before the last date, as we will be having a limited number of participants to ensure quality training delivery and to ensure learning outcomes are adequately achieved.

Training fee and discounts:

The training fee for one participant is USD160. For people joining from Pakistan (flood affected areas), the price would be **PKR 20,000**. Students enrolled in universities in the developing countries can submit their request for special discounts.

This fee includes training material, trainers' fee, certificates of participation. This also includes two-week standard free consultations after training.

The following are the discounts² applicable:

- ➡ Five percent (5%) for 2–3 delegates from the same organization.
- ➡ Seven percent (7%) discount for 4–5 delegates from the same organization.
- ➡ Ten percent (10%) discount on registration of five or more delegates from the same organization.
- ➡ [Contact us](#) for group discounts and alternative/convenient time-setups.

The training fee needs to be paid in advance to secure the place.

The **fee payment** can be made through online transfers:

1. The following link can be used to pay online: [Fee Payment for Data Speaks](#).
2. Bank Transfer to Research Analytics International (IBAN: PK24 UNIL 0109 0002 0368 6098)—underlined numbers constitute a non-IBAN account number.

For more information or questions about payment and how to pay, you can contact accounts@researchanalyticsintl.org.

Terms and Conditions:

- Registration will be confirmed upon receipt of the fee payment.
- In case training is cancelled, a full fee will be reimbursed. In case training is rescheduled, the delegates will be given the option to keep the registration or request a full reimbursement.
- All registration cancellations by delegate(s) intimated within 10 working days before the start of the training will be entertained, and the full fee will be reimbursed (any bank costs may apply). No cancellation will be possible after it; however, replacements are possible anytime before the start of the training.
- All delegates need to bring their laptops.

² Some discounts are mutually exclusive. Be in touch to clarify and get the invoice.



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About Research Analytics International

Research Analytics International's mission is to enhance the policymaking process across both the public and private sectors and strive to improve decision-making process by use of data. It supports government agencies and other organizations in strengthening their capacity to develop development and humanitarian plans and monitor and evaluate them. It focuses on improving agency-level M&E and RBM systems, adopting and embracing innovative solutions, and providing workforce training to ensure the adoption of the most up-to-date skills and capabilities.