

Trainings by Center for Applied Geomatics
CEPT Research and Development Foundation

DATA VISUALIZATION



DATES: JUNE 13 - 15, 2019 (3 DAY TRAINING)
FEES: RS. 9,000 PER PERSON
VENUE: CEPT UNIVERSITY, AHMEDABAD
REGISTER BY: JUNE 10, 2019, ONLY 20 SEATS AVAILABLE

BACKGROUND

"A picture is worth a thousand words", especially in today's world characterized by big data, complex networks and short attention spans. There is an increasing need in the research community to make data and research more accessible and easier to understand. Data visualization allows translating numbers, written reports and research into impactful visual formats that are more engaging and facilitate better understanding for the audience. The growing availability of informative datasets and software tools is a supporting trend that is empowering more and more people with tools to manage and visualize data to gain new insights and aid decision-making.

ABOUT THE TRAINING

This training will introduce participants to data visualization and how it offers a powerful way to communicate data-driven findings, motivate analyses, identify new patterns, and detect issues and flaws in any system. The training will provide a hands-on experience of analyzing and visualizing various types of datasets using R language and other open-source tools. Participants will get to explore different types of visualizing techniques such as ggplot2, graphs, plots, time series and word clouds. The training will also emphasize practical challenges of working with complex real world data using case studies as a teaching tool. In addition to getting an exposure to data visualizing software, participants' will also learn techniques to read patterns and to identify biases, systematic errors, and other unexpected problems. The trainees will be able to apply these data visualization tools and techniques in their work in different fields.

WHO SHOULD ATTEND?

- Researchers and master students from applied fields such as sociology, psychology, education, political science, public policy, quantitative criminology, human development, marketing, management, biology, medicine, computational linguistics, communication sciences etc. who want to expand their abilities in working with data.

- Software developers and programmers who want to reap benefits of a lucrative career in data science
- Data analysts or financial analysts from non-IT backgrounds who want to make a transition to the IT industry

Attendees should bring their own laptops with minimum 4GB RAM and 30GB free disk space.

FOR MORE DETAILS, CONTACT:

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INCLUSION: Handouts, Participants Kit, Lunch and Tea.

Certificate of Participation will be given to the candidates with full attendance

REGISTRATION FORM: [click here](#)

ABOUT THE ORGANIZERS

The training is being conducted by the Center for Applied Geomatics (CAG), a vertical entity within the CEPT Research and Development Foundation. CAG has been established with the vision to leverage geospatial technologies combined with big data analytics to gain deeper insights on challenges facing our cities and built environments. It aims to become a resource and knowledge hub for urban data and facilitate and support application of geospatial technologies in interdisciplinary research, education, community and government services. The Center is engaged in advisory, research, consultancy and capacity building activities.

Prof. Anjana Vyas
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CEPT Research and Development Foundation (CRDF) manages the consulting, contract research & capacity building activities. CRDF is organized under thematic groups (or verticals). Each vertical is focused on a specific area of study and research with a full time coordinator who manages research and consulting projects to be undertaken by the group..



CEPT University focuses on understanding, designing, planning, constructing and managing human habitats. Its teaching programs build thoughtful professionals and its research programs deepen understanding of human settlements. The University comprises of five faculties; Faculty of Architecture, Faculty of Planning, Faculty of Technology, Faculty of Design, Faculty of Habitat Management