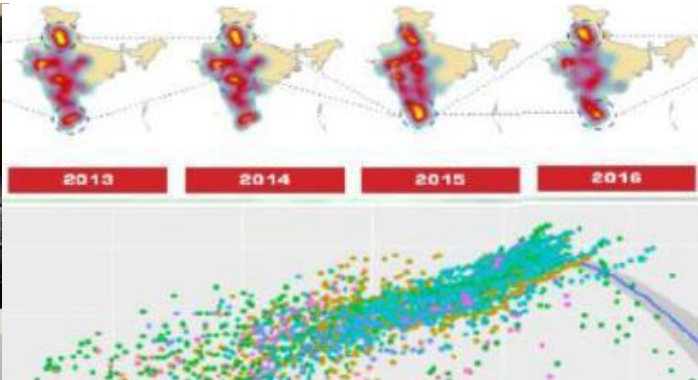


Trainings by Center for Applied Geomatics  
CEPT Research and Development Foundation

# SPATIAL DATA SCIENCE WITH R



**DATES:** JUNE 17 - 21, 2019 (5 DAY TRAINING)  
**FEES:** RS. 12,500 PER PERSON  
**VENUE:** CEPT UNIVERSITY, AHMEDABAD  
**REGISTER BY:** JUNE 12, 2019, ONLY 20 SEATS AVAILABLE

## BACKGROUND

Spatial data science is rapidly transforming key sectors such as urban development, transportation, environment, social services, health care, education, and human security. In order to solve data-intensive, large-scale, location-based problems, spatial data science experts draw knowledge from various disciplines of engineering, computer science, math, and spatial science principles. Advanced spatial data science requires an understanding of programming, which is often used to automate geo-processing tasks, devise and implement new algorithms and solve problems that need some specific manipulation. R is a widely used programming language and software environment for data science. It has advanced capabilities for managing and analysing spatial data.

## ABOUT THE TRAINING

This introductory training program aims at bringing together mainstream data science knowledge with geographic information science and programming basics to provide attendees with an overview of emerging technologies revolving around spatial data. The Spatial Data Science Training with R has been designed with an emphasis on hands-on learning where attendees will be engaged in solving location-based problems. Attendees will get an overview of spatial modelling using R and practical aspects of data science such as spatial data acquisition, analysis, modelling and geo-visualization in large data environments. The training will cover key concepts like spatial data structures, data exploration, data visualization, predictive analytics, etc. The training will be particularly useful for data analysts aspiring to build a successful career in analytics/spatial data science.

## WHO SHOULD ATTEND?

- Professionals working in spatial analytics interested in furthering their understanding of spatial data science using programming tools.
- Experienced professionals who would like to harness spatial data science in respective fields of specialization.

- Researchers and master students from fields such as urban planning, environmental engineering, climate sciences, public policy etc. who have an interest in GIS and want to expand their abilities in working with spatial data.

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

## FOR MORE DETAILS, CONTACT:

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(M) 94282 46420

**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  
Executive Director, CAG  
CEPT Research and Development Foundation (CRDF)  
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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