Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

URBAN PLANNING AND DEVELOPMENT

Open Data for Cities Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

- **DURATION**
  5 Days Practical Hands-on
- **DELIVERY MODES**
  In-Person Class & Live Virtual
- **CERTIFICATION**
  Accredited Certificate of Completion
- **INTAKES / DATES**
  Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 21, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

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Open Data for Cities Training Course

Urban Planning and Development • 5 Days Intensive • Accredited Certification

Course Overview

Open Data for Cities Training Course is designed to equip urban professionals, government institutions, development organizations, and technology practitioners with advanced knowledge and practical skills for using open data to improve urban planning, public service delivery, transparency, innovation, and evidence-based decision-making.

Key Skills & Software Tools Covered

MS Word • QGIS • ArcGIS Pro • and Tableau

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
28 Sep 2026 – 2 Oct 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 110,000**
28 Sep 2026 – 2 Oct 2026	Accra	Classroom / 5d	**$4,000 USD / KES 110,000**
5 Oct 2026 – 9 Oct 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Oct 2026 – 9 Oct 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**
5 Oct 2026 – 9 Oct 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 110,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Open Data for Cities Training Course

Introduction

Open Data for Cities Training Course is designed to equip urban professionals, government institutions, development organizations, and technology practitioners with advanced knowledge and practical skills for using open data to improve urban planning, public service delivery, transparency, innovation, and evidence-based decision-making. The course explores open data governance, urban data platforms, data standards, interoperability, data quality, geospatial information, data visualization, open data policies, privacy protection, and responsible data sharing. Participants will examine how cities can transform publicly available datasets into actionable intelligence for sustainable urban development and smarter city management.

The training emphasizes practical approaches to designing and implementing effective urban open data ecosystems that support smart cities, digital transformation, climate resilience, inclusive development, and citizen engagement. Participants will learn from international city case studies and apply proven approaches to data publication, analytics, visualization, stakeholder collaboration, and open government. The course also examines how open data can strengthen public-private partnerships, stimulate civic innovation, support sustainable development goals, and improve accountability while addressing cybersecurity, data protection, ethical use, and digital inclusion.

Course Objectives

By the end of the course, participants will be able to:

- Understand strategic principles of urban open data and open government.
- Develop effective city open data policies and governance frameworks.
- Apply data standards, interoperability, and metadata management.
- Design urban open data portals and digital data ecosystems.
- Use geospatial data and GIS for evidence-based urban planning.
- Apply data analytics and visualization to urban decision-making.
- Strengthen data quality, accessibility, discoverability, and usability.
- Integrate open data into smart city and digital transformation strategies.
- Apply privacy, cybersecurity, ethics, and responsible data-sharing principles.
- Develop citizen-centered approaches to open data and civic technology.
- Use open data to support climate resilience and sustainable urban development.
- Identify opportunities for innovation, entrepreneurship, and public-private partnerships.
- Develop practical implementation strategies for sustainable city open data programs.

Organizational Benefits

- Improved evidence-based urban planning and policy development.
- Greater transparency, accountability, and public trust.
- More efficient public service planning and delivery.
- Stronger data governance and institutional capacity.
- Improved interoperability between municipal departments.
- Enhanced innovation and civic technology opportunities.
- Better monitoring of sustainable urban development indicators.
- Stronger stakeholder and citizen engagement.
- Improved capacity for smart city transformation.
- More effective identification of urban risks and development opportunities.

Target Audiences

- Municipal and city government officials
- Urban planners and development professionals
- Smart city and digital transformation specialists
- Information technology and data management professionals
- GIS and geospatial information specialists
- Policy analysts and public-sector researchers
- Development agencies and non-governmental organizations
- Private-sector, civic technology, and innovation professionals

Course Duration: 5 days

Course Modules

Module 1: Foundations of Open Data for Cities

- Open data concepts, principles, characteristics, and urban applications.
- Open government, transparency, accountability, and data-driven governance.
- Urban datasets, data value chains, and information ecosystems.
- Open data and sustainable urban development.
- Data accessibility, discoverability, reuse, and interoperability.
- Global case study: London Datastore and its approach to urban open data.

Module 2: Urban Open Data Governance and Policy

- Developing city-level open data policies and governance frameworks.
- Institutional roles, responsibilities, ownership, and accountability.
- Data classification, licensing, publication, and access policies.
- Data protection, privacy, cybersecurity, and ethical considerations.
- Stakeholder coordination and cross-departmental data governance.

- Global case study: Barcelona’s data governance and digital city initiatives.

Module 3: Urban Data Infrastructure and Open Data Portals

- Designing effective municipal open data portals.
- Data catalogs, APIs, metadata, and machine-readable formats.
- Interoperability, data standards, and system integration.
- Cloud infrastructure and scalable urban data platforms.
- Portal usability, accessibility, searchability, and user experience.
- Global case study: New York City Open Data platform.

Module 4: Geospatial Data and Urban Planning

- GIS, spatial datasets, mapping, and location intelligence.
- Integrating geospatial information with municipal open datasets.
- Land use, transportation, infrastructure, and environmental mapping.
- Spatial analysis for urban growth and development management.
- OpenStreetMap and community-generated geospatial data.
- Global case study: Helsinki’s open geospatial data ecosystem.

Module 5: Data Quality, Analytics and Visualization

- Data quality assessment, validation, cleaning, and standardization.
- Urban data analytics and evidence-based decision-making.
- Dashboards, charts, maps, and interactive data visualization.
- Key performance indicators and urban performance monitoring.
- Communicating complex urban datasets to diverse audiences.
- Global case study: Chicago’s data-driven public service dashboards.

Module 6: Open Data, Smart Cities and Innovation

- Open data integration with smart city technologies.
- Internet of Things, sensors, mobility data, and real-time information.
- Civic technology, digital services, and innovation ecosystems.
- Supporting entrepreneurship and data-driven business models.
- Public-private partnerships for urban data innovation.
- Global case study: Singapore’s Smart Nation open data initiatives.

Module 7: Citizen Engagement, Inclusion and Responsible Data Use

- Citizen participation and community-driven data initiatives.
- Designing inclusive and accessible open data services.
- Digital inclusion, data literacy, and public capacity building.
- Ethical data use, privacy protection, and responsible innovation.
- Measuring social value and community impact from open data.
- Global case study: Amsterdam’s data-driven citizen participation initiatives.

Module 8: Implementation, Monitoring and Sustainability

- Developing an urban open data implementation roadmap.
- Establishing priorities, resources, partnerships, and institutional ownership.
- Performance indicators and monitoring frameworks for open data programs.
- Financing, capacity development, and long-term sustainability.
- Risk management and continuous improvement of city data ecosystems.
- Global case study: Toronto’s open data program and lessons for sustainable implementation.

Training Methodology

- Instructor-led presentations and interactive technical discussions.
- Practical exercises using urban open datasets and data platforms.
- Group workshops on city open data policy and governance.

- Case-study analysis of leading international smart cities.
- Demonstrations of data visualization, GIS, and open data tools.
- Scenario-based problem-solving and collaborative urban data projects.
- Peer learning, facilitated discussions, and experience sharing.
- Practical development of an urban open data implementation roadmap.

Register as a group from 3 participants for a Discount

Send us an email: info@datastatresearch.org or call +254724527104

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/open-data-for-cities-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.