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

ECONOMICS INSTITUTE

Knowledge Economy Analysis 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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Knowledge Economy Analysis Training Course

Economics Institute • 5 Days Intensive • Accredited Certification

Course Overview

Knowledge Economy Analysis Training Course provides a comprehensive framework for understanding, measuring, and evaluating economies increasingly driven by knowledge, innovation, digital technologies, human capital, research, and information.

Key Skills & Software Tools Covered

MS Word • Microsoft Power BI • IBM SPSS Statistics • 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)
7 Sep 2026 – 11 Sep 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 110,000**
7 Sep 2026 – 11 Sep 2026	Accra	Classroom / 5d	**$4,000 USD / KES 110,000**
14 Sep 2026 – 18 Sep 2026	Accra	Classroom / 5d	**$4,000 USD / KES 110,000**
14 Sep 2026 – 18 Sep 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
14 Sep 2026 – 18 Sep 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 110,000**

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

Course Curriculum & Modules

Knowledge Economy Analysis Training Course

Introduction

Knowledge Economy Analysis Training Course provides a comprehensive framework for understanding, measuring, and evaluating economies increasingly driven by knowledge, innovation, digital technologies, human capital, research, and information. The course explores how knowledge creation, knowledge transfer, technological advancement, entrepreneurship, intellectual property, education, and digital transformation contribute to productivity, competitiveness, economic growth, and sustainable development. Participants will develop practical capabilities in knowledge economy assessment, innovation ecosystem analysis, digital economy evaluation, human capital measurement, knowledge-intensive industry analysis, and evidence-based economic policymaking.

The course also examines international knowledge economy trends, emerging technologies, digital transformation strategies, innovation performance, knowledge-based competitiveness, and national and organizational readiness. Through analytical frameworks, data interpretation, comparative assessments, practical exercises, and global case studies, participants will learn how to identify knowledge economy opportunities, diagnose structural gaps, assess innovation capacity, and formulate strategies that strengthen economic resilience and long-term competitiveness.

Course Objectives

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

- Analyze the principles and characteristics of the knowledge economy.
- Evaluate knowledge-based economic growth and productivity.
- Assess human capital and skills development indicators.
- Apply innovation ecosystem analysis techniques.
- Analyze digital transformation and digital economy trends.
- Evaluate research and development performance.
- Measure knowledge economy competitiveness using relevant indicators.
- Assess technology adoption and technological readiness.
- Examine knowledge-intensive industries and employment trends.
- Apply data-driven economic analysis and visualization.
- Benchmark national and regional knowledge economy performance.
- Develop evidence-based knowledge economy strategies.
- Formulate policy recommendations for sustainable knowledge-led growth.

Organizational Benefits

- Improved understanding of knowledge-driven economic opportunities.
- Stronger innovation and technology adoption strategies.
- Better workforce and skills planning.
- Enhanced competitiveness benchmarking.
- Improved evidence-based policy and investment decisions.
- Stronger digital transformation planning.
- Better identification of emerging economic sectors.
- Improved research and development prioritization.
- Enhanced organizational knowledge management.
- Greater capacity to support sustainable economic growth.

Target Audiences

- Economists and economic analysts.
- Government policymakers and public-sector officials.
- Economic development professionals.
- Researchers and academics.
- Business and strategy consultants.
- Innovation and technology managers.
- Investment and development professionals.
- Planning and policy analysts.

Course Duration: 5 days

Course Modules

Module 1: Foundations of the Knowledge Economy

- Concepts, evolution, principles, and characteristics of knowledge economies.
- Knowledge as an economic resource and driver of productivity.
- Knowledge creation, dissemination, transfer, and utilization.
- Relationship between knowledge, innovation, and economic growth.
- Global trends shaping knowledge-based economies.
- Case Study: Finland's transition toward a knowledge-intensive economy.

Module 2: Knowledge Economy Indicators and Measurement

- Key indicators for assessing knowledge economy performance.
- Human capital, innovation, infrastructure, and economic indicators.
- Knowledge Economy Index and related assessment frameworks.
- Data collection, benchmarking, and comparative analysis.
- Interpretation of national and regional knowledge economy data.

- Case Study: World Bank knowledge economy assessment approaches.

Module 3: Human Capital and Skills Development

- Education, workforce capabilities, and knowledge-based productivity.
- Digital skills, lifelong learning, and workforce transformation.
- Talent development and knowledge-intensive employment.
- Skills gaps and future-of-work requirements.
- Human capital investment and economic competitiveness.
- Case Study: Singapore's national skills development strategy.

Module 4: Innovation, Research and Development

- Innovation systems and economic value creation.
- Research and development investment and performance.
- University-industry-government collaboration.
- Intellectual property and commercialization of knowledge.
- Entrepreneurship, startups, and innovation ecosystems.
- Case Study: Israel's innovation ecosystem and technology sector.

Module 5: Digital Economy and Technological Transformation

- Digital infrastructure and economic development.
- Artificial intelligence, automation, cloud computing, and emerging technologies.
- Digital platforms, e-commerce, and technology-enabled business models.
- Digital inclusion and technology accessibility.
- Measuring digital readiness and technological adoption.
- Case Study: Estonia's digital government transformation.

Module 6: Knowledge-Intensive Industries and Competitiveness

- Characteristics of knowledge-intensive sectors.
- Technology, finance, healthcare, education, and advanced manufacturing.
- Productivity and competitiveness in knowledge-intensive industries.
- Global value chains and knowledge-based specialization.
- Industry transformation and emerging economic opportunities.
- Case Study: South Korea's technology-driven industrial development.

Module 7: Knowledge Economy Policy and Strategic Planning

- Designing knowledge economy policies and national strategies.
- Innovation policy, digital policy, and investment frameworks.
- Public-private partnerships and knowledge infrastructure.
- Regional knowledge clusters and smart specialization.
- Monitoring, evaluation, and policy performance measurement.
- Case Study: European Union knowledge and innovation initiatives.

Module 8: Knowledge Economy Analysis and Future Trends

- Conducting comprehensive knowledge economy assessments.
- Data-driven forecasting and scenario analysis.
- Identifying economic risks, opportunities, and investment priorities.
- Building resilient and sustainable knowledge economies.
- Strategic recommendations for organizations and governments.
- Case Study: Rwanda's digital transformation and knowledge economy ambitions.

Training Methodology

- Instructor-led presentations and interactive lectures.
- Practical knowledge economy assessment exercises.
- Data analysis, benchmarking, and indicator interpretation.

- Group discussions, simulations, and strategic planning activities.
- International case studies and comparative economic analysis.
- Question-and-answer sessions, assessments, and participant presentations.

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/knowledge-economy-analysis-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.