



ONLINE

INNOVATION

# DATA ANALYTICS AND KNOWLEDGE MANAGEMENT FOR DEVELOPMENT

23 OCTOBER – 15 DECEMBER 2023

 8 WEEKS, ... HRS/WEEK

*Information Note*



International  
Labour  
Organization



International Training Centre

# INTRODUCTION TO THE COURSE

In today's world where unprecedented digital transformation is shaping our lives ever increasingly, data analytics and knowledge management are essential for organizations to succeed. In the context of development cooperation, public sector organizations, development agencies, private enterprises, academia and research institutions, as duty bearers, contributes to the needs of the society seeking to improve the well-being of people, communities, and nations. It is crucial that these key actors are empowered and equipped with the tools and knowledge to implement evidence-based management practices for improved delivery and impact.

Massive digitization drive across public and private sectors has led organizations and their people to possess vast amounts of data, both qualitative and quantitative, often complex, unstructured, and varied. This huge data proliferation has also been accompanied with advances and rapid developments in data analytics by a corresponding surge in the creation of powerful tools. The exponential growth in both data and analytical capabilities, including artificial intelligence, is creating opportunities and challenges for managing knowledge. By integrating data analytics and knowledge management individuals and organizations can gain and share powerful insights, test strategies, improve transparency, increase value and improve the impact.

*If you have witnessed a knowledge gap in your organization and want to learn about developing strategies on leveraging data to bridge this gap this is the course for you. Alternatively, if you seek to build a culture in your organization that capitalizes on data-driven knowledge to develop impactful policies, programmes and projects and streamline work processes, this certification programme will guide you in doing so. Or, if you are interested in learning how data analytics can improve your own performance and, if you are curious about the latest trends and the future foresights towards data analytics and knowledge management, this course is the right place to be!*

Welcome to the certification course on **“Data Analytics and Knowledge Management for Development”**.

## WHAT IS THE OBJECTIVE OF THIS COURSE?

Within the rich tapestry of possibilities and challenges brought about by technology, particularly artificial intelligence, this certification programme has been designed to cater to the needs of learners in the realm of development cooperation. It aims to empower individuals with the ability to proficiently use data analytics and knowledge management, separately and in conjunction, to drive strategic intervention planning, construct evidence-based models for development and theories of change, facilitate adaptive and agile management, enhance robustness of evaluations, foster transformational organizational development and change, and enhance external communication.

## KEY FEATURES

### LATEST TRENDS

Learn, unlearn, re-learn: reinterpret pedagogical concepts for the 21st Century classroom

### PARTICIPATION

Take an active role: experience the training cycle through a competency-based approach

### INNOVATION

Do it differently: active learning methods, digital engagement tools, gamified approaches, creative thinking

### PROJECT-BASED

Take it to the next level: demonstrate knowledge and skills in applying core trainer's competencies

This certification programme equips learners with the necessary concepts, skills, and tools to collect, transform, and organize data for actionable knowledge and informed decision making for improving performances and work processes. The course also provide the learners with the comprehensive understanding of knowledge management from the light of organization-level processes, practices, governance, and systems including technological support systems. Additionally, the course amalgamates data analytics and knowledge management for providing learners with a holistic approach of value creation for achieving efficiency and effectiveness at both individual and organizational levels so that they become more impactful, resilient and future-ready.

## WHO ATTENDS THIS COURSE?

The programme is intended for a wide range of actors within the field of development cooperation, public sector, United Nations, NGOs, Civil Society Organisations, academia, private sector or research institutions. The course is highly relevant for programme and project managers, knowledge management officers, monitoring and evaluation officers, technical specialists, project professionals and professionals from private enterprises. Members of the academics and research community involved in the identification, design, implementation and evaluation of development policies, programmes and projects are also encouraged to participate.

## WHAT TOPICS DOES THIS COURSE COVER?

- From raw data to actionable knowledge: Understanding the journey
- Data Analytics Fundamentals (Part 1 and Part 2) : Unleashing the power of data
- Foundations of Knowledge Management: Unlocking organizational intelligence
- Knowledge Management Principles into Practise: Strategies and Best Practices
- Synergies between Data Analytics and Knowledge Management for development: Exploring the Nexus
- Innovations in Data-Driven Knowledge Management: Tools and IT Solutions
- Anticipating the Future: Trends and Foresights in Data analytics and Knowledge Management

## WHAT WILL I LEARN?

- Gain clarity on data and knowledge related key concepts and relationship among them.
- Learn to effectively collect, store, analyse, visualize, report and communicate different types of data along with understanding the associated risks and biases, and, ensuring an ethical use and gain in-depth understanding of descriptive, diagnostic, predictive, and prescriptive analytics, with an emphasis on real-life applicability
- Optimize the value of organizational knowledge to achieve and support your strategic objectives through comprehensive understanding of knowledge Management as organization-level processes, practices, governance, and systems including technological support systems.
- Find synergies and intersections between data analytics and knowledge management in the context of development, identify best practices, barriers and challenges that persists. Discover usable, real world cases on the leveraging data-driven knowledge management in the context of public policy processes, programme and projects including organizational development.
- Explore different techniques and tools for data analytics and knowledge management, get acquainted with the current landscape and future trends including big data and artificial intelligence in the context of development planning and interventions.

## WHAT WILL I BE ABLE TO DO?

Participants who successfully complete the course can expect to improve or enhance their knowledge and skills and be able to:

- Develop a data analysis plan for your own organization, programme or project and get acquainted with relevant tools.
- Apply different data analytics techniques with a clear understanding of the underlying assumptions.
- Review your own organization's readiness on the Knowledge Management continuum and conduct a knowledge management assessment of your organisation

- Advocate for a culture that harnesses the knowledge and experience of people and develop a data-driven knowledge management strategy and roadmap for your own organization, programme or project
- Use data driven knowledge along the lifecycle of public policy processes, programme and projects including organizational development.
- Identify tools and techniques for data driven knowledge management to imply in your own work setting
- Develop ability to anticipate risks and develop mitigation measures while working with data for knowledge.
- Immerse into the world of new and emerging trends and technologies of data driven knowledge management solutions and foster innovation.

## HOW WILL I LEARN?

This online certification programme is designed to provide a comprehensive learning experience, with one-on-one guidance throughout your learning journey. The training programme consists of eight self-guided modules, knowledge tests, a discussion forum, and weekly individual assignments based on case studies created by the course designers and implementers. This part of the training is asynchronous. You will also have access to an expert who will provide you with individual feedback on your assignments, as well as a synchronous learning space during weekly online webinars that will last about 90 minutes. This balanced mix of self-guided modules, interactive activities, and individual coaching will help you develop practical skills to effectively engage in data analytics and knowledge management in the context of your own workplace.

Expect to invest approximately eight to ten hours' time per week for a total of at least 60 hours.

## WHY SHOULD I JOIN?

The course deals with data analytics and knowledge management in development context. It helps you gain practical insights and skill, improve your ability to understand, analyse and interpret data effectively, generate valuable insights from the data sets and use the evidence generated in solving complex development problem or improving your individual or organizational performance. The course covers current best practices and tools keeping you up to date with the latest trends and advancements in this field. It connects you to peers in a truly global classroom and provide you an opportunity to network with other professionals in the field from a wide range of public, private and non-profit backgrounds.

**Do you know someone who'd love this course? Tell them about it!**

## WITHDRAWAL, CANCELLATION POLICY, AND REFUNDS FOR OPEN COURSES

If an enrolled participant wishes or must withdraw from a course, they may choose to apply to a different course or be substituted by another candidate. The participant must notify the Centre, in writing, of their decision at least 14 days prior to the start date of the course. Cancellation of participation in regular courses will result in the following penalties:

- 14 days or more prior to the start date of the course: No penalty, 100% refund of amount paid less applicable bank charges
- 8 to 13 days prior to the start date of the course: Penalty of 50% of course price, refund of residual amount paid (if any) less applicable bank charges
- 7 days or less prior to the start date of the course: Penalty of 100% of course price.

## INFO

### FOR FURTHER INFORMATION PLEASE CONTACT

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