UN PROGRAMME ON DATA ANALYTICS

The role of data science has become critical in every sector. In the same way that many organizations today use data analytics in fields as diverse as finance, healthcare, aerospace and manufacturing, **we at the United Nations can leverage the use of data and analytics for greater efficiency in our work for people and planet.**

The UN Secretary General's (2020-2022) Data Strategy identifies data and analytics as an essential and strategic asset for the UN system to advance its work in socioeconomic areas worldwide – these include climate action, promoting gender equality, protecting human rights, advancing peace and security – and accelerating UN reform for greater impact on the ground. It calls for the UN family to build capabilities to ensure that we are all able to make data-driven decisions.

Capacity development and the fostering of enablers (people and culture, partnerships, data governance and technology) are at the heart of this transformation process.

It is expected to have a positive impact on our ability to develop new data analytics capabilities.

Building data capacity, driving results

To support the Secretary General's Data Strategy, the United Nations System Staff College (UNSSC) has designed a new and unique programme on data analytics fully tailored to the UN context. **It is suitable for all UN personnel who are interested in enhancing their knowledge and skills to analyze, visualize, report and communicate data effectively.**

Delivered through UNSSC's interactive online platform, the Programme offers an interactive learning experience for all.

It draws from UNSSC's experience in designing and delivering a wide range of data learning offerings **in collaboration with key UN data stakeholders such as the Committee of the Chief Statisticians of the UN System**.

The programme features a multidisciplinary curriculum that draws on insights **from the social sciences, statistics and management and focuses on amongst other areas – data visualization and storytelling, fundamentals of descriptive analytics and predictive analytics**.

Through the programme, UN personnel will gain new insights from real-world UN data sets. The Programme offers varied tools and analytical methods to help them interpret and communicate their findings effectively. Like all learning opportunities offered by the UNSSC on data analytics, the programme follows a use-based approach to learning. It encourages the practical application of various tools and methods to solve some of the challenges that UN personnel face.

Learning outcomes at a glance

The programme has been designed to prepare UN staff to unlock their data potential through a comprehensive and interactive overview of core data science concepts from descriptive to predictive analytics. Participants will be better equipped to formulate problem statements for data informed solutions, apply data visualization and storytelling design principles and build basic predictive models. They will have the opportunity to hone their skills in effectively communicating data analysis findings and dealing with the ethical dilemmas and risks associated with working with real-world data cases. At the end of the Programme, participants will be able to:

Explain the different types of analytics and their applications in the UN context.	Implement a scoped data analysis to their needs for information.	Use data visualization and storytelling techniques to communicate key messages.	Identify applications of predictive analytics at your workplace.	Describe key features of predictive models, understanding risks and how to ensure an ethical use.

The Programme comprises of ten thematic modules, which can be completed over six months. The curricula are developed through a comprehensive analysis of the current and evolving needs and demands of UN staff, and in coordination with world renowned faculty and experts from IE University, University of Chicago, and Northwestern University, among others. The modules will include:

1. Data Basics
2. Data Science Project
3. Data Exploration and Analysis
4. Data for Decision-making
5. Data Visualization Part 1
6. Data Visualization Part 2
7. Data Storytelling
8. Why Data Prediction and Data Modelling
9. The Science of Predictive Analytics
10. Applying Predictive Analytics

One Programme, Two solutions to address different learning needs

The Data Analytics Programme has two course options that have been designed to accommodate the learning needs of UN Staff :

1. UN DATA ANALYTICS PROFESSIONAL CERTIFICATE (UN DAPC)

The UN DAPC offers a unique blended curriculum on descriptive and predictive analytics in the UN context. Over six months, participants are guided through a specialized learning built by UN data experts. It is composed of self-paced lessons and instructor led webinars. Practical case studies and on the job-practice opportunities are key features of this option. The features ensure that participants not only gain solid knowledge and skills but also apply them.

The UN DAPC offers a number of learning modalities that give participants a unique opportunity to learn by doing through a data-use case approach.

Participants can expect:

- A comprehensive curricula of thematic self-paced modules delivered online through UNSSC's UNKampus e-learning platform.

- Live webinar sessions with UN practitioners and renowned data experts from across the world.

- Mentoring sessions to guide on the job application of the knowledge and newly acquired skills.

2. E-LEARNING PATH ON DATA ANALYTICS

This is a self-paced learning path delivered entirely online through UNSSC's Blueline e-learning platform. Participants can start at any time and complete modules and activities at their own pace within of six months.

The E-learning path on Data Analytics offers:

- A micro-learning experience characterized by small knowledge units (modules and micro-lessons) where participants consolidate and reflect on learning;

- A consolidation of takeaways through reflective practices and social learning to facilitate information exchange and peer-to-peer learning;

- A large collection of relevant tools, readings, guidelines and examples that complement the concepts and theories covered in the course.

A proactive approach

The UN Learning Strategy highlights that learning does not only come from formal training. There is much to learn from sharing knowledge and on the job experiences with peers and colleagues.

In line with this, the Staff College supports UN entities to promote new learning approaches that combine interactive self-paced learning and on the job experiences. We aim to bring innovative learning solutions to fit organizational needs for staff at all levels.

We offer **two options** to fit organizational needs:

Standard solution: Open enrolment methods, based on tuition fees per participant

Sending multiple staff members or data focal points to the UNSSC Data Analytics Programme can have a positive impact the overall success of your organization's data strategy . We offer a range of self-paced and blended learning options to support your efforts to be proactive about building data capacity within your organization.

UN Data Analytics Professional Certificate: USD 2,500
E-Learning path on Data Analytics: 1,000

Opportunities for Blueline subscribers:
Integral learning solution

Blue Line is a learning ecosystem created by the UN System Staff College with a precise ambition: to be a unique and global learning hub open to all UN personnel for personalized and self-directed learning. In addition to open enrollment options, UNSSC's Blue Line Team partners with UN entities to deliver the learning and development solutions they need through a corporate subscription. The solution offers universal access to curated self-paced learning content like the E-Learning Path on Data Analytics.

With this integral learning solution, organizations are welcome to also enroll 40 participants in any edition of the UN Data Analytics Professional Certificate.
This is in addition to their access to the E-Learning Path on Data Analytics which will form part of their annual corporate subscription to Blue Line.

UNSSC will offer two editions of this Programme in 2023.

Annual cost of the integral learning solution (standard): USD 100,000, which covers:

- Full access to the E-Learning Path on Data Analytics for all staff within the organization.
- Enrolment of 40 participants in the UN DAPC.

Additional cost per participant in the UN DAPC: USD 2,500

Our expert teams stand ready to collaborate with your organization to co-create learning experiences directly linked to your organization's needs.

THANK YOU!

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