



1. Introduction and Context:

Building on the insights and discussions from the first webinar in the AfDB's Data Innovation Brown Bag Webinar Series, the second session aims to delve into the specific applications of Big Data analytics within development contexts.

To illuminate the potential and impact of big data analytics in development, the Statistics Department (ECST) is organizing a webinar titled "Data in action: Leveraging big data for Development Impact." This session is designed to explore how big data analytics can be harnessed in alignment with the Bank's vision and development goals. The webinar will provide insights into successful models of big data usage and discuss how these can propel innovation and strategic decision-making. A comprehensive overview of big data initiatives, including the Bank's role in utilizing these vast data resources, will be presented. Special focus will be placed on the Bank's Data Innovation Lab (DIL), detailing how it has begun to implement its strategy by emphasizing the importance of partnerships and the development of data-centric solutions.

This event marks the beginning of a series of webinars that will examine various aspects of big data utilization, governance, sharing, and skill development. These webinars aim to bolster the Bank's capacity to utilize big data for impactful and sustainable development initiatives across the African continent.

2. Objectives:

The objectives for Session 2 of the AfDB's Data Innovation Brown Bag Webinar Series are carefully crafted to ensure participants fully grasp the transformative potential of big data analytics in development. This session is structured to explore, demonstrate, and inspire effective uses of big data within the framework of the African Development Bank's strategic goals. Here are the key objectives we aim to achieve:

- *Highlight the role of Big Data in development:* Showcase how Big Data analytics aligns with the African Development Bank's strategic goals to achieve impactful outcomes.
- *Explore successful Big Data models:* Provide insights into real-world applications and case studies where Big Data analytics have driven innovation and enhanced strategic decision-making in development projects.
- *Showcase innovative Big Data solutions:* Present innovative solutions and strategies for leveraging Big Data in development contexts.
- *Demonstrate practical applications:* Highlight practical applications and techniques for utilizing Big Data to solve real-world problems in the development sector.

3. Target Audience:

AfDB staff across various departments interested in data analytics.

Partners and stakeholders involved in big data and data science.

4. Expected Outcomes:

This session is poised to deliver a range of strategic and practical outcomes that align with the African Development Bank's overarching goals of enhancing its analytical capabilities and developmental impact through big data. By the conclusion of this webinar, participants are expected to achieve the following outcomes:

- *Enhanced understanding of Big Data's role in development:* Participants will gain a deeper appreciation of how Big Data analytics can be a pivotal force in shaping developmental policies and projects. This understanding will empower them to think strategically about integrating Big Data insights into their work.
- *Insights into successful Big Data applications:* Attendees will acquire knowledge from real-world examples and case studies presented during the webinar. These insights will demonstrate successful models of Big Data utilization that can inspire and guide future projects within the AfDB.
- *Familiarity with innovative Big Data solutions:* Participants will be introduced to innovative Big Data solutions and strategies for leveraging data in development contexts, highlighting the potential for transformative impact.
- *Knowledge of practical techniques:* Attendees will learn practical techniques for applying Big Data analytics to solve specific development challenges, equipping them with actionable skills and strategies.

5. Agenda

Introduction & opening remarks

Dr. OMOTOSHO, SAMSON BABATUNDE

Director, Statistics Department (ECST)
African Development Bank (AfDB)



Dr. Claude DUVALLET

Associate Professor in Computer Science, LITIS - Université Le Havre Normandie

Topic: Maritime traffic analysis using Automatic Identification System (AIS) data

Duration: 20 minutes **Q/A:** 10 minutes



Therese UWIMANA

Director of Data Revolution and Big Data Unit
National Institute of Statistics of Rwanda (NISR)

Topic: Experimenting Big Data and Data Science for Official Statistics

Duration: 20 minutes **Q/A:** 10 minutes



Casey WESTON

Senior Manager, Public Policy & Economic Graph, LinkedIn

Topic: Harnessing LinkedIn Data for Development Insights

Duration: 20 minutes **Q/A:** 10 minutes

