

StatsTalk-Africa: Leveraging GIS and AI in Solving Global Challenges and Revolutionizing Census Workflows

Tuesday, 21 November 2023, 11:00am -12:30pm EAT

Concept Note

Background

Geographic Information Systems (GIS) and Artificial Intelligence (AI) have emerged as powerful tools with the potential to address pressing global issues. From environmental conservation to urban planning, these technologies offer innovative solutions. One area where GIS and AI can significantly contribute is in census workflows, revolutionizing data collection, analysis, and Dissemination.

This webinar will explore the multifaceted applications of GIS and AI, emphasizing their role in solving global problems and optimizing census procedures. In particular, it will delve on how

1. AI can streamline census data collection by automating processes such as image recognition;
2. AI algorithms can predict population growth, migration patterns, and demographic changes based on historical data enabling governments to plan infrastructure, healthcare, and educational facilities more effectively; and
3. the integration of ChatGPT with maps can provide a dynamic and interactive way for users to obtain information, ask questions, and receive guidance related to geographic locations; and
4. The integration of GIS and Statistical data (i.e: Statistical Data and Metadata eXchange, SDMX) broadens problem-solving with statistics organizations, as custodians of critical data, seen to play a pivotal role in leveraging these technologies, not only for the benefit of accurate information but also as contributors to national revenue and economic growth.

Objective

The ACS is convening the monthly webinar series – **StatsTalk-Africa** – to provide a space for a dialogue about data, statistics, and innovative tools with data experts and users. Specifically, StatTalk-Africa aims to:

1. Serve as a knowledge-sharing and exchange platform.
2. Demystify and promote greater understanding of key statistical concepts and alternative data sources that could be harnessed in the African context.

Date and Time

The Webinar is scheduled for Tuesday, 21st November 2023, from 11:00am to 12:30pm EAT.

Language

English will be the official form of communication for this webinar series.

Registration link

Register in advance for this meeting [here](#).

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