



CONFERENCE ON EDUCATION DATA AND STATISTICS

CONFERENCIA SOBRE DATOS Y ESTADÍSTICAS DE EDUCACIÓN

conférence sur les **DONNÉES** ET **STATISTIQUES** DE L'**ÉDUCATION**

7 - 9 F E B R U A R Y 2 O 2 4 UNESCO HEADQUARTERS, PARIS, FRANCE





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UNESCO Conference on Education Data and Statistics

Data for the future and best use of technology in education

How UNSD is leveraging technology for data innovation

Data Science Leaders Network

- Leveraging basic tools of data science for immediate efficiency gains in NSO operations
- Generating additional insights in response to emerging needs
- Full transformation of official statistics through digitalization

. **UNBig**Data

Data for Now

- Mainstream use of innovative sources, technologies and methods for production and dissemination data for sustainable development
- For Example: Integrating multiple data sources and geospatial analysis for educational public policy insights in Colombia





How UNSD is leveraging technology for data innovation

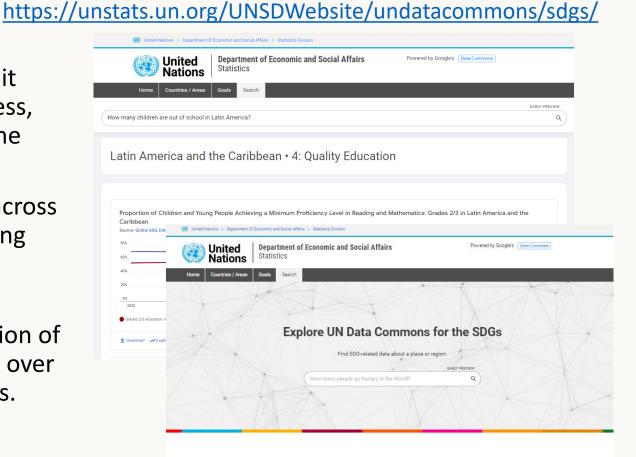
- UN Global Platform: Provides access to data, tools, and processing environments that enable the mainstreaming of big data and data science into the production of official statistics
- UNGP Regional and Global Hubs: Facilitate collaboration in innovation for official statistics to further data science through training and coordination activities





UN Data – powered by Google Data Commons

- Advanced Natural Language search functionality making it easy for users to access, explore, and utilize the data
- Access related data across multiple domains using linked open data techniques
- Enabling the generation of insights by reasoning over complex relationships.





Challenges and opportunities in the use of technology

- Making content ready for artificial intelligence
- Curating semantic mappings between various data sources to enable integration tasks
- Maintain comprehensive, user-friendly documentation of every step, from data collection to end-user applications, to ensure explainability, replicability and auditability







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