



CASE STUDY

The United Nations Global Platform for Official Statistics uses Algorithmia's AI Layer to deploy and manage models around the world.

Background

The United Nations Global Platform for Official Statistics is an effort to upgrade international official statistics. This effort is being led by the United Nations Global Working Group.



Challenge

Economic and population data are key elements of decision making and planning in developed countries, but access to sophisticated analysis and compute power to run them is limited in developing nations.

The UN Global Working Group (GWG) on Big Data aims to democratize access to these resources and increase statistical capability on Big Data globally. Its goal is to create a public repository of algorithms to help countries support the [Sustainable Development Goals](#) and understand trends in their societies, environment, and economics. The resulting analytics will inform decision making at a truly global scale.

“ Algorithmia powers the Methods Service for the United Nations Global Platform for Official Statistics, which enables statisticians, data scientists and researchers from all over the world to share, develop and test cutting-edge statistical methods and machine learning models.”

Ivo Havinga | Assistant Director, United Nations Statistics Division

In order to create a solution that would democratize access to complex models across both developed and developing countries, the GWG needed a few key pieces in place:

- Statisticians and data scientists can publish and discover trusted algorithms.
- Algorithms and machine learning models are easy to consume and manage across the world.
- The solution will be scalable to growing needs—as more countries and users join it can scale both on the worldwide access as well as the computing power.
- Algorithmia's AI Layer offered the needed functionality off-the-shelf, with a development roadmap compatible with the GWG's aims.

Solution

The GWG chose Algorithmia's AI Layer to manage and deploy their models. The AI Layer provided the UN GWG with the technology necessary to quickly publish and consume algorithms without extensive DevOps investment. You can participate and learn more at: <https://www.officialstatistics.org/>.

Results

The GWG was able to quickly deploy, develop, and tailor the platform with support from Algorithmia's engineers. Combined with public cloud hosting, Algorithmia provides the required ease-of-use, speed, and consistency. As part of the UN's global data program, the GWG is now able to provide data and analysis to help countries around the world make better, data-driven planning decisions.

All told, the GWG's deployment supports:

- Deployment and consumption of machine learning and AI algorithms as well as traditional statistical methods.
- Access throughout the world with a very low barrier to entry.
- A growing global community of users across the 193 UN member countries.