



ALGORITHMIA

## The United Nations Global Working Group brings machine learning to the world using Algorithmia

The United Nations Global Platform for Official Statistics is an effort to upgrade international official statistics. It is led by the United Nations Global Working Group (GWG).

### The challenge

Economic and population data are key elements of decision making and planning, but access to sophisticated analytic tools and compute power is limited in some developing countries.

The GWG 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 societal, environmental, and economic trends. The resulting analysis will inform policymaking at a global scale.

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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 several factors in place:

- Statisticians and data scientists who can publish and discover trusted algorithms in one convenient location.
- Algorithms and machine learning models that are easy to consume and manage across the world.
- A solution that scales to growing needs—as more countries and users engage, it scales accessibility and compute power.

### The solution

Algorithmia offered the needed functionality off the shelf, with a development roadmap compatible with the GWG's aims. It also provided the GWG with the technology necessary to quickly publish and consume algorithms without extensive DevOps investment.

### The future

Using Algorithmia, the GWG now supports:

- Deployment and consumption of machine learning 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 193 UN member states.

The GWG was able to quickly deploy, develop, and tailor the platform with support from Algorithmia engineers. Combined with public cloud hosting, Algorithmia now provides the required ease of use, speed, and consistency needed to maintain the global algorithm library. 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 decisions. You can learn more at: <https://www.officialstatistics.org/>.

See what we can do:  
[algorithmia.com/demo](https://algorithmia.com/demo)

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