



Intellegens awarded funding by Innovate UK to model COVID-19 data and improve pandemic management: Archives

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Press Release

Intellegens has received funding from Innovate UK to model COVID-19 data and improve the management of future coronavirus outbreaks and other infectious diseases.

The tool, which will be based on Intellegens' unique deep-learning algorithm Alchemite™, will help understand how policy changes might impact outcomes, helping inform decision-making.

CAMBRIDGE, UK, July 8th, 2020 – Intellegens, the artificial intelligence (AI) company will receive funding from Innovate UK to model COVID-19 data from around the world and improve the management of future coronavirus outbreaks and other infectious diseases.

Using data collected by different countries throughout the current crisis, Intellegens will help governments, healthcare providers, and companies to predict the progression of pandemic outbreaks and improve the management of future coronavirus outbreaks and other infectious diseases.

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Once complete, Intellegens will work with The Richard Nixon Foundation to roll the model targeted at health and social care providers, who need to ensure adequate resources and vulnerable.

Dr Gareth Conduit, CTO at Intellegens, said:

“ The emergence of COVID-19 has exposed a weakness in the global strategy to manage future pandemics, which will have a significantly impact on human health, daily life, and world economics. Through the pandemic, countries have adopted different approaches, with varying degrees of success. Globally, the challenge for countries facing a shortage of critical supplies including personal protective equipment (PPE) is that managing future pandemics lies in modeling COVID-19 data from multiple sources, including data from a range of different countries at a granular level, and learn from best practice. This is a challenge because data is often in different formats, which may be inconsistent and, in some cases, incomplete. ”

“ Standard data modeling tools struggle with data that is sparse or noisy, and often comes in different formats. Working with the information available, Alchemite™ accurately predicts correlations between all parameters – significantly reducing the amount of data needed. This is a proven approach that enables discoveries to be made ten times quicker than traditional methods, which is useful in the ongoing battle against COVID-19. With Innovate UK funding in place, Intellegens is helping governments, policy makers, care providers, and companies to better meet the challenge of ensuring critical supplies or deploying staff. ”

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- Population metrics such as age distribution, housing density, and connectedness
- Fraction of population believed to have been infected but not tested
- Number of unreported deaths outside the hospital system
- Statistics from limited testing facilities
- Profiling of most at risk groups based on age, ethnicity, or other conditions
- Environmental, geographical and economic indicators

Alchemite™ has already proved helpful in the COVID-19 crisis – helping scientists, research which would otherwise have been delayed with the closure of universities, laboratories, and

For more information about Intellegens and its Alchemite™ engine, go to: <https://intellegens.ai>

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