



Lucd JedAI™ announces Free availability of Avicenna Modeling to combat Covid-19

Lucd JedAI™ Avicenna, unmask the disease spread and provides actionable business data for predicting future impacts of Covid-19 on resources, supplies, demand....Free to the public

Nashville, TN and Palo Alto, CA – July 22, 2020 – Lucd, a provider of an end to end Enterprise AI Platform, today announced its agent-based model **Avicenna, is now available to the public for free.** **Avicenna** is a discrete event simulation model which combats the unknowns of Covid-19 and helps organizations which are not fully prepared for the impact of today's crisis. Lucd's powerful AI software as a service will enable organizations to use **Avicenna's** predictive disease spread modeling to forecast future challenges and accelerate efforts in fighting the pandemic while being able to mitigate its effects. By making this available **free** to the public, Lucd is now enabling organizations such as federal, state and local agencies, hospitals, education departments and countless other groups to proactively plan, prepare and mitigate the disease.

Researchers are racing to attenuate the ramifications of the virus on all aspects of human life. **Avicenna**, developed as part of a multi-disciplinary effort by **Lucd**, MIT and CDC, handles complex and disparate data inputs and constructs to provide predictions that can be assessed for future times for a specific area or location of interest. Leveraging Big Data, distributed computing and deep learning capabilities within the Lucd AI platform, **Avicenna** also has the capability to provide insight for planning product releases, making market entry decisions, minimizing staffing challenges, performing financial projections, foreseeing potential supply chain disruptions, and much more. Prediction results as high as 99.5% accuracy have been achieved.

Lucd's CTO and co-founder, David W. Bauer Jr., Ph.D., is an expert in agent-based modeling, discrete event simulation and massive parallel processing required to realize results such as **Avicenna** capabilities. His previous work includes pandemic modeling for Department of Homeland Security, General Account Office and the White House since 2007. We are proud that our infectious disease models will assist in planning and preparedness. **Avicenna** allows us to unmask the disease and its spread while predicting its impact. **Avicenna** adjusts as variables change and is transferable so that businesses can use it for simulating other industry challenges. "With Lucd, businesses, government agencies and other organizations would be able to continue their AI efforts through this pandemic. Most importantly, in an environment severely lacking in precise information on the extent of the disease spread, Avicenna is able to uncover and unmask the extent of the disease spread into the future", said Dr. Bauer.

Avicenna, is also being leveraged by the DoD's Joint AI Center (JAIC) in response to today's COVID-19 challenge. Lucd, in collaboration with other technology industry leading firms are providing JAIC and other Federal agencies with predictive insights while fighting this pandemic. **Avicenna** and its powerful enablement, is now available via free download as part of the **Lucd JedAI™** client in [Steam](#) or www.avicenna.lucd.ai. Lucd is making this capability available so that researchers can easily generate faster and more precise insights. The Lucd client provides an immersive easy to use user experience that facilitates a collaborative approach to Visual Analytics, Exploratory Data Analysis, and AI Modeling.



About Lucd

Lucd, was named a Cool Vendors in Enterprise AI Governance and Ethical Response 2019. By unleashing the power of data, the Lucd Enterprise end to end AI platform allows all organizations to conduct machine learning in a responsible way. Lucd builds competitive digital advantage through leveraging data assets; Digital ROI; and providing the ability to exploit market knowledge. **Lucd** develops pioneering Enterprise class data science capabilities in AI, Big Data, Data Fusion and Machine Learning. Visit Lucd online at: <https://www.lucd.ai/>

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