

ADIA Lab and Crunch Lab Launch Causal Discovery Challenge

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ABU DHABI, UNITED ARAB EMIRATES, July 30, 2024 /EINPresswire.com/ -- ADIA Lab and Crunch Lab Launch Causal Discovery Challenge

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ADIA Lab, the Abu Dhabi-based institute for data and computational sciences research, and Crunch Lab have launched the second edition of their machine learning competition, the ADIA Lab Causal Discovery Challenge. The challenge focuses on advancing the field of Causal discovery, with a \$100,000 prize pool for the best crowdsourced machine learning models.

One of the main challenges in developing truly intelligent machines is to enable them to understand cause and effect—going beyond mere correlations, which can often be deceptive and fail to capture the true nature of relationships between variables.

The ADIA Lab Causal Discovery Challenge will ask participants to uncover interactions between variables through visual representations called causal directed acyclic graphs (DAG). This approach has applications across diverse domains, including healthcare, economics, social sciences, environmental science, and education. Data scientists and machine learning researchers interested in participating can submit their algorithms directly on the Crunch platform.

“After the success of our initial competition last year, which saw more than 5000 submissions, we are excited to continue our partnership with Crunch Lab,” said Dr. Horst Simon, Director of ADIA Lab. “This year we are focused on the crucial topic of Causal AI, which I’m sure will appeal to many of CrunchDAO’s 5,000 data scientists and 600 PhDs.”

The challenge runs from August 1 2024 to October 24 2024. A total prize pool of \$100,000 USD will be shared among the top ten entries, with the overall winner receiving \$40,000 USD and the rest of the prize pool awarded to the remaining nine top participants.

Jean Herelle, CEO and co-founder of Crunch Lab, said: “For this second collaboration with ADIA Lab, we have the exciting opportunity to work with some of the brightest minds in the field of causality. This competition is a rallying cry for the data science community to move beyond mere correlations and focus on the true mechanisms behind observations. By understanding and discovering causal graphs, we can make better informed decisions, design more effective interventions, and drive scientific progress.”.

ADIA Lab Advisory Board members [Prof. Guido Imbens](#), [Prof. Miguel Hernan](#), and [Prof. Marcos Lopez de Prado](#) have been actively involved in the design of the ADIA Lab Causal Discovery Challenge and will remain engaged throughout the competition.

To learn more about the ADIA Lab Causal Discovery Challenge, please visit <https://www.crunchdao.com/live/adia-lab-causal-discovery-challenge>.

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About ADIA Lab

ADIA Lab is an independent institution engaged in basic and applied research in Data Science, Artificial Intelligence, Machine Learning, and High-Performance and Quantum Computing, across all major fields of study. ADIA Lab is governed by an Advisory Board of global thought leaders in data and computationally-intensive disciplines, including winners of the Nobel, Turing, Godel, Rousseeuw, Gordon Bell, and other prizes.

For more information, please visit www.adialab.ae or contact us at info@adialab.ae

About Crunch Lab

Crunch Lab is a quant boutique that helps large companies, investment firms, and financial institutions extract more value from their data. Crunch Lab works with data-rich companies to host Crunches, which are global ML competitions for the best and brightest in the CrunchDAO community.

About CrunchDAO

CrunchDAO is an elite research community that develops alpha-generating insights through distributed ML competitions. The DAO consists of over 5,000 data scientists, quants and machine learning (ML) engineers, including 600 PhDs. DAO members can monetize their talents and expertise by competing in corporate Crunches. In return for building models that produce profitable insights, members can participate in profit sharing in the form of cash and CRUNCH tokens, which give them status, higher earning potential, and access to more lucrative Crunches.

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