

**Dear Selection Committee,**

I am writing to recommend Carlos Eduardo Veras Neves for the *Artificial Intelligence for the Public Sector* course. Having directly supervised Carlos Eduardo's work at CADE over the past two years, I have witnessed first hand his exceptional ability to combine technical innovation with a deep commitment to public service.

As Project Leader of the *BRAIN Project (Projeto Cérebro)*, Carlos Eduardo has spearheaded several significant initiatives. One particularly noteworthy achievement was his leadership in a complex bid-rigging investigation within the construction sector. He developed and implemented a sophisticated data analysis methodology that incorporated machine learning, graph analysis, and statistical techniques. This methodology successfully identified suspicious bidding patterns across multiple public procurement processes.

Another standout initiative is Carlos Eduardo's innovative approach to detecting algorithmic collusion in digital markets. Currently in its early stages, this project involves the use of Smart Agent-Based Modeling techniques, leveraging Large Language Models (LLMs) and economic principles to analyze market behaviors and identify potential collusion. While still ongoing, this initiative demonstrates Carlos Eduardo's ability to apply cutting-edge methodologies to address emerging challenges in antitrust enforcement.

What sets Carlos Eduardo apart is his ability to translate complex technical concepts into actionable insights for policymakers. For example, during a recent presentation to our board, he effectively explained intricate machine learning algorithms using clear analogies and visual aids, enabling our leadership to make informed decisions regarding critical investigations conducted by CADE's Office of the Superintendent-General.

Beyond his technical expertise, Carlos Eduardo actively contributes to CADE's international cooperation initiatives with other antitrust agencies. He represents CADE/Brazil in the ICN Technologist Group and has organized bilateral discussions on data tools for antitrust enforcement, further showcasing his commitment to advancing global collaboration in the field.

The *Artificial Intelligence for the Public Sector* course would not only benefit Carlos Eduardo but also significantly enhance CADE's capabilities in areas such as cartel detection, where we are striving to adopt cutting-edge AI applications.

Please do not hesitate to contact me at [rubem.pires@cade.gov.br](mailto:rubem.pires@cade.gov.br) for any additional information regarding Carlos Eduardo's qualifications or potential contributions to the program.

**Best regards,**

Rubem Accioly Pires  
General-Coordinator at Antitrust Unit 9  
Office of the Superintendent-General  
Administrative Council for Economic Defense (CADE)