Early Warning System

IADB-RG-T3443

Artificial Intelligence and Behavioral Insights in Education

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Quick Facts

Countries	Chile, Ecuador, Peru
Financial Institutions	Inter-American Development Bank (IADB)
Status	Approved
Bank Risk Rating	C
Voting Date	2019-06-17
Borrower	Regional
Sectors	Education and Health, Technical Cooperation
Investment Type(s)	Grant
Investment Amount (USD)	$ 0.31 million
Project Cost (USD)	$ 0.31 million

Project Description

The objective of the project is to incorporate artificial intelligence, machine learning, and behavioral insights to improve the efficiency of educational investments and parent and teacher decision-making in Chile, Ecuador, and Peru. First, we will develop a comprehensive diagnosis of the rules and actual practices determining student and teacher allocation across schools. Second, we will propose improvements to allocation rules and procedures based on our findings in the diagnostic phase, and we will assist governments to develop (or modify) allocation algorithms based on the proposed mechanisms. Third, we will develop Artificial Intelligence (AI) systems for student and teacher allocation. These allocation systems involve the development of platforms for student enrollment and teacher assignment; implementation of dashboard to monitor application process; design of interfaces for virtual assistants (ChatBots/APIs) based on artificial intelligence and machine learning algorithms; implementation of application systems for school (or school district) vacancies. Finally, will conduct an evaluation of the effectiveness of nudges and matching algorithms in improving equity and efficiency in the allocation of teachers and students across schools. We will also organize activities in the three countries to share the findings.

Investment Description

- Inter-American Development Bank (IADB)

Ordinary Capital

Contact Information

ACCOUNTABILITY MECHANISM OF IADB

The Independent Consultation and Investigation Mechanism (MICI) is the independent complaint mechanism and fact-finding body for people who have been or are likely to be adversely affected by an Inter-American Development Bank (IDB) or Inter-American Investment Corporation (IIC)-funded project. If you submit a complaint to MICI, they may assist you in addressing the problems you raised through a dispute-resolution process with those implementing the project and/or through an investigation to assess whether the IDB or IIC is following its own policies for preventing or mitigating harm to people or the environment. You can submit a complaint by sending an email to MICI@iadb.org. You can learn more about the MICI and how to file a complaint at http://www.iadb.org/en/mici/mici,1752.html (in English) or http://www.iadb.org/es/mici/mici,1752.html (Spanish).

Bank Documents

- Results Matrix.pdf
- RG-T3443 TORS.pdf
- RG-T3443 PAQUETE - cartas publico.pdf
- TC Abstract RG-T3443.pdf