

Is the COVID-19 Pandemic Fast-Tracking Automation in Developing Countries?

Evidence from Colombia - Portal de Investigaciones Económicas

Is the COVID-19 Pandemic Fast-Tracking Automation in Developing Countries? Evidence from Colombia

JOURNAL OF HUMAN CAPITAL

Número:

4

DOI:

<https://doi.org/10.1086/726758>

Publicado:

Martes, 11 Julio 2023

Authors:

[Leonardo Bonilla-Mejía^a](#),

[Luz Adriana Flórez^a](#),

Didier Hermida-Giraldo^a,

[Francisco Javier Lasso-Valderrama^a](#),

[Leonardo Fabio Morales^a](#),

[Juan José Ospina-Tejeiro^a](#),

[José Pulido^a](#)

Ver más

^aBanco de la República, Colombia

Clasificación JEL:

F16

[Descargar documento](#)

Lo más reciente

[Impacto macroeconómico y fiscal del cambio demográfico](#)

Jesús Alonso Botero-García, Ligia Alba Melo-Becerra, Cristian Castrillón Gaviria, Daniela Gallo

[Revista Ensayos Sobre Política Económica - Explorando las brechas de género en Colombia](#)

María Teresa Ramírez-Giraldo, Karina Acosta, Olga Lucia Acosta Navarro, Lucia Arango-

Lozano, Fernando Arias-Rodríguez, Oscar Iván Ávila-Montealegre, Oscar Reinaldo Becerra

Camargo, Leonardo Bonilla-Mejía, Grey Yuliet Ceballos-García, Luz Adriana Flórez, Juan Miguel

Gallego-Acevedo, Luis Armando Galvis-Aponte, Luis M. García-Pulgarín, Andrés Felipe García-

Suaza, Anderson Grajales, Daniela Gualtero-Briceño, Didier Hermida-Giraldo, Ana María

Iregui-Bohórquez, Juliana Jaramillo-Echeverri, Karen Laguna-Ballesteros, Francisco Javier

Lasso-Valderrama, Daniel Márquez, Carlos Alberto Medina-Durango, Ligia Alba Melo-Becerra,

María Fernanda Meneses-González, Juan José Ospina-Tejeiro, Andrea Sofía Otero-Cortés,

Daniel Parra-Amado, Juana Piñeros-Ruiz, Christian Manuel Posso-Suárez, Natalia Ramírez-

Bustamante, Mario Andrés Ramos-Veloz, Jorge Leonardo Rodríguez-Arenas, Alejandro

Sarasti-Sierra, Bibiana Taboada-Arango, Ana María Tribín-Uribe, Juanita Villaveces

[Uncertainty and monetary policy: the case of the Central Bank of Colombia](#)

Hernando Vargas-Herrera

Is the COVID-19 Pandemic Fast-Tracking Automation in Developing Countries? Evidence from Colombia

Is the COVID-19 Pandemic Fast-Tracking Automation in Developing Countries? Evidence from Colombia - Portal de Investigaciones Económicas

[Otras Publicaciones](#)

We assess the impact of COVID-19 pandemic on the automation process in Colombia, a country with low R&D and productivity and high labor informality. We estimate event-study models to evaluate the differential effect of the pandemic on job openings and salaried employment by the potential degree of automation of each occupation. The results indicate that both vacancies and salaried employment declined more in highly automatable occupations. However, there is no evidence of persistent effects. We find that automation mainly affected the labor market of females, individuals over 40 years old, and low-paid occupations.