

Séminaire des doctorants

Publié le 20 mai 2021 – Mis à jour le 20 mai 2021

Date

Le 25 mai 2021 De 17:30 à 18:30

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Does digitalization improve
government effectiveness?

Evidence from developing and developed countries.

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RÉSUMÉ

This paper aims to analyze the effect of digitalization on government effectiveness in developing and developed countries. Our study uses panel data from 138 countries from 2006 to 2016. To conduct this study, we use a panel methodology with fixed effects. The results suggest that governments use of ICTs improves their effectiveness in both developing and developed countries. However, this positive effect is higher in developed countries than in developing countries. Besides, we find that the effect of the aggregate use of ICT by individuals, businesses, and government on government effectiveness has a greater effect than the single-use by government, individuals, or businesses. Furthermore, when testing for geographical heterogeneity, the effect remains positive, except for countries in the Americas. We also investigate further analysis which confirm the validity and the robustness of our results. These findings highlight the fact that governments could fully benefit from digitalization by adopting policies that would foster the access and use of ICTs at all levels of the economy, i.e., from government itself, businesses and individuals.

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