Linking Heterogeneous Policies for curbing COVID-19 Pandemic

Justin Johnson Kakeu, Ph.D., University of Prince Edward Island, Department of Economics
jkakeu@upei.ca

Abstract:
Linking local and global policies could play an important role in curbing the spread of global COVID-19 Pandemic. Heterogeneous policies have the potential to lower overall welfare costs of curbing the COVID-19 Pandemic. In this research paper, we develop a novel theoretical economic model that looks at efficient ways to assign heterogeneous mitigating objectives to local jurisdictions in fighting the global COVID-19 Pandemic. Our theoretical model is applied to USA data to predict policies paths to be implemented in each local jurisdiction (states). Our results could inform on consistency between global and local policies aiming at curbing the COVID-19 Pandemic.

Data description: USA data

JEL codes for the project: C6, D3, D5

Key-Words: Heterogeneity, Local and Global Policies, COVID-19, Welfare Costs