

An Analysis of the Impact of the Digital Economy on Change in Thailand's Economic Trends Using Dynamic Stochastic General Equilibrium (DSGE)

Chaiwat Klinlampu, Chukiat Chaiboonsri, Anuphak Saosaovaphak
And Jirakom Sirisrisakulchai

Abstract. Nowadays, information and communication technologies are widely used in Thailand. Also, the government has a policy to support economic development through ICT, expecting to help increase the growth of Thai economy. The research purpose is to study the impact of ICT on Thai economy trends. The researchers use ICT data which includes values of communications, computers, information, and other services covering international telecommunications and computer data from 1976 to 2017 to estimate ICT parameter with the Bayesian linear regression approach. All of parameters used in the DSGE are to predict the effects of ICT on some parts of Thai economic sectors. The estimated result shows that ICT investment can positive contribute to an increase of consumption and future investment. Therefore, ICT investment is beneficial to Thai economic trend in positive ways.