Home ▶ All Journals ▶ Applied Economics ▶ List of Issues ▶ Volume 36, Issue 10 Is there an export or import-led product

Applied Economics > Volume 36, 2004 - Issue 10

1.300 85

Views CrossRef citations to date Altmetric

Original Articles

Is there an export or import-led productivity growth in rapidly developing Asian countries? a multivariate VAR analysis

Shandre Mugan Thangavelu * & Gulasekaran Rajaguru

Pages 1083-1093 | Published online: 21 Aug 2006

66 Cite this article ⚠ https://doi.org/10.1080/0003684042000246795

> Sample our Business & Industry Journals

Full Article

Figures & data

References

66 Citations

Metrics

Reprints & Permissions

Read this article

Abstract

In contrast to cross-country studies, the paper investigates the relationships between trade and labour productivity for nine rapidly developing Asian countries in a timeseries framework using a vector error-correction model. Independent tests on the longrun and short-run relationship between trade variables of exports and imports and

producti producti importa exports

long growth there is

causal e

About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

t impact on Accept All provide the ate that Essential Onlyity. The roductivity Settings esting that ificant mport-led

productivity growth in India, Indonesia, Malaysia, Philippines, Singapore and Taiwan. In

addition, the results indicate that imports tend to have greater positive impact on productivity growth in the long run.

Acknowledgement

We would like to thank J. Thampapillai and Shigeyuki Abe for their helpful comments.

Notes

See Rodriguez and Rodrik (1999) for a discussion of the weakness of the various openness measures used in the empirical studies on openness and economic growth.

Other indices used in most studies on openness and productivity growth are World Development Report Outward Orientation Index, Average Black Market Premium, Average Import Tariff on Manufacturing, Wolf's Index of Import Distortions, Average Coverage of Non Tariff Barrier, etc.

The price deflators are collected from the respective countries' Statistical Yearbooks, if it is not available in the World Data or the World Development Indicators.

Total factor productivity (TFP) could be used as one of the measures of productivity. However, due to lack of data on investment in fixed assets and capital stock for most of the countries under study, we could not derive a long time series for TFP.

Since the data on imports of intermediate inputs are not available for all countries in the sample, total imports ars used in the analysis. In addition, the imports of varieties

of final c About Cookies On This Site unbundl

In Luip

(1996)

aggrega

caus

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

Accept All Essential Onlystudy the and Masih Settings etary ny. The onomic

sample

growth. In addition, most of the output and employment data for the Asian countries

are only available from the 1960s and hence all available information is used in the current study.

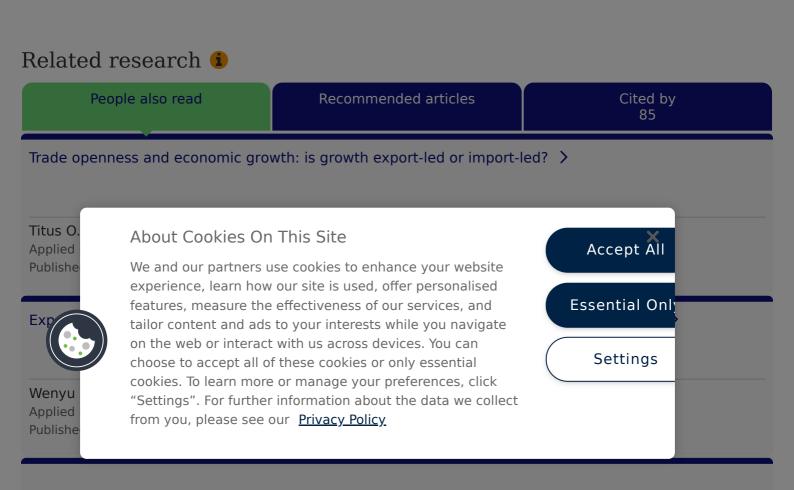
We can perform three different types of causality test depending on the source of causality. The standard Granger causality test is a joint test on the significance of the short-term lagged difference variables. One could also perform a test of the statistical significance of the lagged cointegrating vector and the error correction term (Luintel and Khan, 1999). This is a test of weak exogeniety. The other test of causality is a strong exogeneity test and is undertaken in the current study; this places greater restrictions on the test for causality.

The strong exogeniety test is only conducted jointly with the lagged difference variables (θ_{ij}) and coefficient of the error correction term (α_{ij}).

The magnitude of the cointegrating vectors will change with the normalizing variable, but the statistical significance will not change with normalization.

The different hypotheses concerning α and β have been discussed at length in Johansen and Juselius (1990) and in Johansen (1991).

When r = 1, the test statistic follows χ^2 with one degree of freedom.



The impact of trade openness on economic growth: The case of Cote d'Ivoire >

Yaya Keho

Cogent Economics & Finance Published online: 31 May 2017



View more

Information for

Authors

R&D professionals

Editors

Librarians

Societies

Opportunities

Reprints and e-prints

Advertising solutions

Accelerated publication

Corporate access solutions

Open access

Overview

Open journals

Open Select

Dove Medical Press

F1000Research

Help and information

Help and contact

Newsroom

All journals

Books

Keep up to date

Register to receive personalised research and resources by email



Sign me up















About Cookies On This Site

We and our partners use cookies to enhance your website experience, learn how our site is used, offer personalised features, measure the effectiveness of our services, and tailor content and ads to your interests while you navigate on the web or interact with us across devices. You can choose to accept all of these cookies or only essential cookies. To learn more or manage your preferences, click "Settings". For further information about the data we collect from you, please see our Privacy Policy

Accept All

or & Francis Group

Essential Only

Settings