

Applied Economics >

Volume 42, 2010 - [Issue 6](#)

382 | 14 | 0
Views | CrossRef citations to date | Altmetric

Original Articles

Import-content of exports and J-curve effect

Mehmet Yazici  & Mushtaq Ahmad Klasra

Pages 769-776 | Published online: 01 Feb 2008

 Cite this article  <https://doi.org/10.1080/00036840701720846>

Sample our
Economics, Finance,
Business & Industry Journals
>> [Sign in here](#) to start your access
to the latest two volumes for 14 days

 Full Article  Figures & data  References  Citations  Metrics

 Reprints & Permissions

Read this article

 Share

Abstract

This article investigates how the response to devaluation of trade balance is affected, compared to J-curve hypothesis, by the presence of imported inputs in the production of exports. Using first the Almon lag technique and then the cointegration and the generalized impulse response function analysis, the J-curve effect is examined in two sectors of Turkish economy (manufacturing and mining), which use imported inputs at different rates. Based on the data covering the period from the first quarter of 1986 to the third quarter of 1998, our results indicate that in neither sector J-curve exists and that the violation of the J-curve effect is more severe in the sector with higher import content

 [Previous article](#)

[View issue table of contents](#)

[Next article](#) 

Acknowledgements

We are indebted to one anonymous referee of this journal for his useful comments. The usual disclaimer applies.

Notes

¹For a more detailed review of the relevant studies, see Bahmani-Oskooee and Ratha ([2004a](#)).

²These ratios are calculated from Table A: Aggregated Input-Output Table of Turkey and Table 9: Input-Output Table for Imports in Input-Output Structure of Turkish Economy 1998.

³Data was available only at yearly basis for 1986. This yearly value has been converted into quarterly values, using quarterly industrial production index as weights. The source for this index is also Turkish Central Bank (www.tcmb.gov.tr).

⁴The share of each country in Turkey's total trade out of these 14 countries in order of importance is Germany: 0.238, Italy: 0.128, UK: 0.118, US: 0.111, France: 0.109, Spain: 0.067, Netherlands: 0.048, Switzerland: 0.037, Belgium: 0.035, Israel: 0.025, Japan: 0.025, South Korea: 0.023, Sweden: 0.018, Austria: 0.018.

⁵To be consistent with the literature that uses vector error correction modelling, money variables included in the Almon lag technique are not included in this part.

⁶Expected signs of the coefficients of the model variables are explained in the previous method.

⁷VECM estimation results are not provided here but available upon request.

Related Research Data

[The J-Curve: Evidence from East Asia](#)

Source: Journal of Economic Integration

[The S-curve Dynamics of US Bilateral Trade*](#)

Source: Review of International Economics

[Currency Contracts, Pass-Through, and Devaluation](#)

Source: Brookings Papers on Economic Activity

Devaluation and the J-Curve: Some Evidence from LDCs: Errata

Source: Review of Economics and Statistics

The J-curve effect and US agricultural and industrial trade

Source: Applied Economics

The exchange rate and the balance of trade: The Turkish experience

Source: The Journal of Development Studies

More evidence on the J curve from LDCs

Source: Journal of Policy Modeling

MAXIMUM LIKELIHOOD ESTIMATION AND INFERENCE ON COINTEGRATION WITH

Related research

People also read

Recommended articles

Cited by
14

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



Copyright © 2026 Informa UK Limited [Privacy policy](#)

[Cookies](#) [Terms & conditions](#) [Accessibility](#)

Registered in England & Wales No. 01072954
5 Howick Place | London | SW1P 1WG



Taylor & Francis
by informa