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Kijong Kim

Hypothetical Integration in a Social Accounting Matrix and Fixed-price Multiplier Analysis

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Editors

Erik Dietzenbacher

Faculty of Economics and Business University of Groningen PO Box 800 9700 AV Groningen The Netherlands

h.w.a.dietzenbacher@rug.nl

Bent Thage

Statistics Denmark Sejrøgade 11 2100 Copenhagen Ø Denmark

bth@dst.dk

Author: Kijong Kim

Title: Hypothetical Integration in a Social Accounting Matrix and Fixed-price Multiplier Analysis

Abstract:

This study proposes a simple modification of Social Accounting Matrix (SAM) to analyze multiplier effects of a *new* sector. A different input composition, or technology, of the sector makes a conventional analysis of final-demand pulling injections on existing sectors invalid. We show that the modification, so called hypothetical integration, is an efficient way to incorporate the difference into the SAM, rather than costly full-scale rebalancing. We apply this method on the case of Expanded Public Works Program in South Africa and show that the proposed approach represents effectively labor intensity requirement of the program and a new factor income distribution..

Keywords: Hypothetical integration; Multiplier analysis; Social accounting matrix; Social sector intervention; Expanded public works programme; South Africa

Archives: Social accounting matrices; Methods and mathematics; Impact analysis tables

Correspondence address:

Kijong Kim The Levy Economics Institute of Bard College Blithewood Annandale-on-Hudson, NY 12504 USA

E-mail: <u>kim@levy.org</u>

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