



SDI Review Form 1.6

Journal Name:	<u>British Journal of Economics, Management & Trade</u>
Manuscript Number:	2014_BJEMT_8942
Title of the Manuscript:	Social Accounting Matrix Balanced Based on Mathematical optimization Method and General Algebraic Modelling System
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Rewrite the sentences of the line: 36/60-61/114/ 266-269 in more understandable sentences. 50: write the source of the table and check the variable name of total ROW account row and Colum 83-84: is there a difference between 3 & 4 138: balancing SAM 179- 180: repeated on 182-183 214-215: repeated on 271 214: GAMS 237: incomplete sentence 262: provide the title explaining the SAM country and the year. In addition to the table source 264: where is the table of the balanced SAM 300: the steps are mentioned on 220-229, but you only illustrated step one. References: 38: Rewrite the reference in write format 92: revise the author name with the reference list 95: Thurlow is not listed on the references	36: Added: Chowdhury and Kirkpatrick (1994). 60-61: Modified to The aim of this paper uses the mathematical opt method and GAMS software to balance the multi-sector data a SAM 266-269: See 5.2 (1)GAMS program 83-84: Deleted (4) 138: Addd SAM 182-183: Deleted 271: Deleted 214: Modified to GAMS 237: Modified to The value of element cell (i, j) in A (initial SAM) is the value of element cell (i, j) in A* (final SAM) is null. 262: added Source from Zhou (2004) 264: Modified section 5.2 Add section 5.2.1 ~ 5.2.5 300: Add section 5.2.1 ~ 5.2.5 38: Modified to Chowdhury and Kirkpatrick (1994) argued that country the national accounts classifies using various institut socio-economic backgrounds instead of their economic activities. 92: Payatt et al (1984) 45: Added



SDI Review Form 1.6

	355 and 329: these references are not mentioned inside the text	Thurlow I. A 2007 social accounting matrix for Uganda International Food policy Research Institute (IFPRI). 2010: 1-19. 355: Deleted 329: Deleted 27: Modified to Outgoings 62: Modified to systems of national account 81: Modified to input-output table 94: Modified to national 101: Modified to accounting period 132: Deleted 189: Added Ahmad and Preckel, (2007). 194: Deleted 1: Deleted 2: Added The solution is obtained by setting the Lagrange for the above problem and solving it. The outcome combines the information from the data and the prior. $a_{ij}^* = \frac{a_{ij} \exp(\lambda_i y_{ij}^*)}{\sum_{i,j} a_{ij} \exp(\lambda_i y_j^*)}$ Where is the Lagrange is multiplies λ_i is associated with the information on row and column sums, and the denominator is a normalization factors.
--	--	---



SDI Review Form 1.6

<u>Minor</u> REVISION comments	27: outgoings 62: system of national account 81: input- output table 94: national 101: accounting period 132: illustrated in the table 189: to whom they is referring 194: we point out , no need as it is not mentioned before	
<u>Optional/General</u> comments	1. No need for table 3, as the paper emphasizing SAM Balancing methods 2. More details(formulas) could be highlighted to the CE method	