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RESEARCH ARTICLE

SOCIAL ACCOUNTING MATRIX FOUNDED ON SYSTEM OF NATIONAL ACCOUNTING: CASE OF MEXICO

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ABSTRACT

Links between institutional sectors and economic activities with National Accounting System of Mexico are studied used accounting multipliers. Key sectors had changed to strategic or leading as oil and gas extraction and dairy product manufacturing, i.e., Mexico went from a producer of goods to a service provider country, losing value added in their production chains. The mixed income for deciles 1-5 for woman is leading and independent economic activity of real importance in the domestic economy through its impact on solidarity activities: Providing care and support and provide food.

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INTRODUCTION

The proposed social accounting matrix (SAM) (Erik Thorbecke, 2000) is founded on economic structure of the system of national accounting of Mexico (SNAM) (System of National Accounting of Mexico, 2011). The square matrix size is 565 and showed in Table 1. The name variables and their code appear in tables 20-25. The SNAM comprises balance equations and accumulation and current accounts. National accounting: Goods and services (G&S), production (P), generation of income (GI), allocation of income (PAI), distribution of income (DI), use of income (UI), capital (C), gross fixed capital formation (GFCF), financial (F), goods and services with the outside (G&S outside). The latter account is divided: current transferences (TC) and capital transferences (TK). SNAM has Institutional units: Non-financial corporations (NF), Financial corporations (F), Government units, including social security funds (G), Non-Profit Institutions serving households (NPIsSH), Households (H) and the rest of the world (RW). Households are formed by customers and producers. The GI, PAI, DI, UI, C and GFCF accounts were disaggregated on institutional sectors. Household sector is broken down income-expenditure deciles. The input-output tableau (IOT) is included into SAM.

*Corresponding author: Dora E. Ledesma-Carrión Lidia Hernández-Hernández, Rodolfo J. Daudé-Balmer, and María Teresa Leonor Muciño-Porras The IOT is built by economic activities added into sectors, subsectors and branches. IOT use the North America industrial Classification System (NAICS) code of 2007. The tableau size is 165. The production account presents economic activities by branches. The goods and services account shows economics activities and institutional sectors. IOT 2011 was obtained using the RAS method to IOT 2008. Table 2 shows a_{ij} entrances of the SAM and their description. Table 3 presents disaggregated IOT. Each of the a_{ij} entrances are A_{ij} matrix of different sizes described in the Table 2.

The a_{1,10} and a_{10,1} entrances were disaggregated to economic activities branches and North American Free Trade Agreement (NAFTA) countries and the rest of the world. To do this was necessary to make the correspondence between the tariff code (http://www.economia.gob.mx/comunidad-negocios/comercioexterior/informacion-estadistica-y-arancelaria) and NAICS code (http://www.census.gov/eos/www/naics/) because export and import of good and services are not present for countries in SNAM. The $a_{1,2}$ and $a_{2,1}$ entrances were open to economic activities branches. The first is IOT 2011 and the second is gross production value (basic prices). The a_{10,3}, a_{10,4}, a_{10,5}, a_{3,10}, a_{4,10} and a_{5,10} entrances: remunerations, rental of property and current transfers received/paid were broken down by NAFTA country redistribution like flows of Outward/Inward Direct Investment(http://w03.international.gc.ca/Commerce Internati onal/Commerce Country-Pays.aspx?lang=eng & http://w03.

international.gc.ca/Commerce_International/Commerce_Indic ator-Indicateur.aspx?lang=eng). Consumption of fixed capital (CFC), Taxes less subsidies on products and Adjustment by rounding are distributed as gross valued added. Capital transferences received/paid and current transferences paid are not known. Adjustment due to changes to pension rights received/paid from/to the rest of the

world $(a_{6,10}, a_{10,6})$ were adjusted few years ago. These changes were consequence of the Pension Reform at 1996. Lending or financing and Current external balance have same value but the sign changed, $a_{11,11}$ is null. The Net factor income from/to the rest of the world (NFIRW), is disaggregated from the cell $a_{3,2}$ so should be adjusted in the successive cells.

Table 1. Social accounting matrix (SAM) founded in the system of national accounting of Mexico (SNAM).

Current	1510 11.5	Goods		Generation	Primary	Distribution	Use		Gross	8	THE REST OF THE	THE REST OF THE	A. 1990 A. 1972 A. 197	
Millions pesos (MXN)	8 2	and services (G&S)	Production (P)	of income (GI)	of income (PAI)	of income (DI)	of income (UI)	Capital (C)	fixed capital formation (GPCF)	Financial (F)	WORLD (G&S outside) Current transferences (TC)	WORLD (G&S outside) Capital transferences (TK)	Adjustment (Adj)	TOTAL
SUPPLY	Goods and services (G&S)	0	(1,2) 10,281,289				(1,6) 11,333,634	(1,7) 73,542	(1,8) 3,165,020		(1,10) 4,545,385		(1,12) 147,667	29,546,537
SOTTE	Production (P)	(2,1) 24,312,132												24,312,132
a	Generation of income(GI)		(3,2) 12,411,725								(3,10) 9,780			12,421,505
NCIAL AL	Primary allocation of income (PAI)	(4,1) 506,080		(4,3 12,421,505			(4,6) 6,698,152				(4,10) 120,682			19,746,419
OLDS.	Distribution of income (DI)				(5,4) 12,850,248		(5,6) -285,359				(5,10) 287,545		(5,12) 135,116	12,987,550
(HOUSEHOLDS, TENT, NON-FINA TIONS, FINA NCL TIONS AND TIT INSTITUTION HOUSEHOLDS)	Use of income (UI)				(6,4) 6,470,571	(6,5) 12,985,364	(6,6) 246,006				(6,10)			19,701,941
NAMEN NAMEN RATIO RATIO SOFIT	Capital (C)	: ::	:9	::	12		(7,6) 1,651,730	(7,7)		(7,9) 4,179,407		(7,11)	(7,12) 73,542	5,904,679
DEMAND (HOUSHOLDS, GOVERNMENT, NOVE-FRANCIAL CORPORATIONS, FINA NICIAL CORPORATIONS, FINA NICIAL NOVE-ROFIT INSTITUTIONS SERVING HOUSEHOLDS)	Gross fixed capital formation (GPCF)		(8,2) 1,619,117					(8,7) 1,767,112				3		3,386,229
100020	Financial (F)							(9,7) 4,064,025		25 0	(9,10) 727,464			4,791,489
EXTERNAL	THE REST OF THE WORLD (G&S outside) Current transferences(TC)	(10,1) 4,728,326		(10,3) 0	(10,4) 348,262	(10,5) 2,186	(10,6) 0			(10,9) 612,082	(10,10) 182,940			5,873,796
	THE REST OF THE WORLD (G&S outside) Capital transferences (TK)		18					(11,7)				(11,11)		0
	Adjustment (Adj)	-1	1		(12,4) 77,338		(12,6) 57,778		(12,8) 221,209			*		356,325
	TOTAL	29,546,537	24,312,132	12,421,505	19,746,419	12,987,550	19,701,941	5,904,679	3,386,229	4,791,489	5,873,796	0	356,325	

Table 2. SAM compounds. Matrix 565x565.

aij - SAM aggregated	Name	aij - SAM aggregated	Name	a _{ij} - SAM aggregated	Name	a _{ij} - SAM aggregated	Name			
(1,2)	Intermediate consumption	(4,3)	+ remuneration		Rental of property paid	(10,6)	Adjustment due to changes to			
(1,6)	Final consumption		received from the rest of the		to the rest of the world		pension rights received from the			
(1,7)	Changes in inventories (ChI)		world (RRRW) (includes net mixed income)	(12,4)	Adjustment: NFIRW + RRRW	(7,7)	rest of the world Capital transfers			
(1,8)	Gross fixed capital formation	(10,3)	Remuneration paid to the rest	(5,6)	Net current transfers	(7,9)	Net issuance of financial liabilities			
(1,10)	Exports of goods and services	(4,6)	of the world Rental of	(5,10)	Current transfers received from the		to domestic economy			
(1,12)	Statistical	3.347	property		rest of the world	(7,12)	Adjustment: ChI			
91682	discrepancy(SD)		from domestic economy (assets)	(6,5)	Adjustment net national income	(8,7)	Net capital formation			
(2,1)	Gross value of production	(4,10)	Rental of property received	(10,5)	Current transfers sent to the rest of	(9,7)	Net acquisition of finantial assets from domestic			
(4,1)		Taxes less from th		from the rest of		the world				
	subsidies on products		the world	(6,6) Adjustment to changes			economy			
(10,1)	Imports of goods and services	(5,4)	Net national income(GDP-CFC-	(6.10)	pension rights	(11,7)	Capital transfers received from the rest of the world			
(12,1)	Discrepancies		net factor income	(6,10)	Adjustment due to changes to	(12,8)				
(3.2)	Net value added		from/to the rest of the world		pension rights	(12,0)	Adjustment: ChI + SD			
(8,2)	Consumption of fixed capital	Ve 40	(NFIR	paid to the rest of the world		of the world (9,10)		(9,10)	Net acquisition of finantial assets	
	(CFC)	(6,4)	Rental of property from	(7,6)	Net saving		from the rest of			
(3,10)	Remuneration		İ	domestic	(7,11)	Capital transfers		the world		
	received from rest of world	7950 (=10.00)	(liabilities)	0.0000000000000000000000000000000000000	sent to the rest of the world	(10,9)	Net issuance of finantial			
(10,10)	External balance of goods and ser-	(11,11)	(11,11) Lending or financing/Current		Adjustment by rounding		liabilities to the rest of the world			
	vices		external balance			(12,1)	Adjustment by rounding			

Table 3. IOT compounds. Matrix 165x165

SECTOR	A_{12} - SAM aggregated = OIT	NAICS CODE	Number of accounts
11	Agriculture, hunting, forestry; fishing	1111-1114, 1119, 1121, 1122- 1125, 1129, 1131-1133, 1141, 1142, 1151-1153,	19
21	Mining and quarrying	2111, 2121-2123, 2131.	5
22	Electricity, gas and water supply	2211, 2221, 2222	3
23	Construction	23: 2361, 2362, 2371-2373, 2379, 2381-2383, 2389.	T.
31-33	Manufacturing	3111-3119, 3121, 3122, 3131- 3133, 3141, 3149, 3151, 3152, 3159, 3161, 3162, 3169, 3211, 3212, 3219, 3221, 3222, 3231, 3241, 3251-3256, 3259, 3261, 3262, 3271-3274, 3279, 3311- 3315, 3321-3329, 3331-3336, 3339, 3341-3346, 3351-3353, 3359, 3361-3369, 3371, 3372, 3379, 3391, 3399,	86
43-46	Commerce	43-46: 4311,	1
48	Transport and communications	4862, 4869, and the rest of the sector 48: 4811, 4812, 4821, 4832, 4841, 4851-4855, 4859, 4871, 4872, 4879, 4881-4885,	3
49	Mail and storage	49: 4911, 4921, 4931,	T.
51	Mass media information	51: 5111, 5112, 5121, 5122, 5151, 5152, 5171, 5172, 5174, 5179, 5182, 5191.	1
52	Financial services and of insurances	5211, 5221-5225, 5231, 5332, 5239, 5241, 5242.	n
53	Real-estate and rental of personal property and intangible services	53; 5311-5313, 5321-5324, 5331,	J.
54	Professional, scientific and technical services	54: 5411-5419, 5511,	ı
55	Management of companies and enterprises	55: 5511,	1
56	Waste management and remediation services	5621, and the rest of the sector 56: 5611-5617, 5619.	2
61	Educational services	61; 6111-6117.	1
62	Health and social care	6214, 6216, the rest of the sub- sector 621: 6211-6213, 6215, 6219; 6221-6223, 6231-6233, 6239, 6241-6244.	14
71	Cultural and sporting services, recreation, and other recreational services	71: 7111-7115, 7121, 7131, 7132, 7139.	E
72	Temporary accommodation services and preparation of foods and beverages	72: 7211-7213, 7221-7224,	T
81	Other services except govern- ment activities	8141 and the rest of the sec- tor 81: 8111-8114, 8121-8124, 8129, 8131, 8132.	2
93	Activities of the Government and activities of international organizations and offshore	9311-9318, 9321.	9
	Direct net purchases of residents and non-residents		E
	Total		165

MATERIALS AND METHODS

Accounting multipliers and linkages use Leontief (Erik Thorbecke, 2000), (Gaspar Núñez, 2008), (Kijong Kim, 2008), (Rodolfo Minzer - Valentín Solís, 2014), (Ángel Fernando Pineda Solís, 2011) theory. Because of revised data appear up to 2011, the SAM and IOT were calculated for 2011. Links and relations between economic sectors and branches involve the input-output tableau, the distribution by countries and industry of goods and services of imports and exports in the balance of trade (BT) and balance of payments (BP) and the relationship between institutional sectors and branches of economic activity make a system of accounting balance equations.

Data between economic and institutional sectors through SNAM were used to redistribution cells $a_{3,2}$; $a_{4,3}$; $a_{5,4}$; $a_{6,5}$; $a_{6,4}$; $a_{4,6}$; $a_{7,6}$; $a_{7,9}$; $a_{8,7}$; $a_{9,7}$ and $a_{9,10}$. Households were open by deciles of income and mixed income was disaggregated by sex for the first five deciles of income and by i) provide food, ii) provide cleaning and maintenance of housing, iii) provide

cleaning and care of clothing and shoes, iv) provide shopping and household management, v) providing care and support and, vi) provide help to other households and volunteer work. The redistributions used National Income and Expenditure Survey of Households (Encuesta Nacional de Ingreso y Gasto de los Hogares, ENIGH 2012). The ENIGH is biannual. Two assumptions were worked: a) the G&S outside account is an exogenous variable and b) It is an endogenous variable. These assumptions are because the SNAM does not provide information of the production of narcotics (cannabis, poppy) in gross domestic product (GDP) and intermediate consumption (IOT) and their impact on the ENIGH. Because of this, the lower deciles are underestimated. Many families work for drug trafficking as distributers and/or producers. The families work a portion of the land for poppy and cannabis and one for beans, corn, sorghum and other legal crops. Some of the medium and upper deciles are money lauder through their companies. The rich do not respond to interviewers, they are also underestimated. The discrepancies between current transfers received by households (reported by ENIGH) and total transferences reported by BP (calculated with financial system data) reveal the lack of response of households. The data in ENIGH are smaller than data in BP. Also, the BP does not record earnings of Mexican producers abroad, for example, Televisa, CEMEX, Bimbo, Vitro Group, etc. The lack of registration of the minerals of iron production and its exchanging by chemicals to produce drugs, by cartels of drugs and Chinese bussines man, production, internal distribution, export and transfer of drugs, do not appear in BP and BT, in addition, trafficking in persons and smuggling of weapons, appear not quantified in both of them BP and BT.

RESULTS

The fixed-price multiplier analysis are showed in the figures 1-4 for key, strategic, leading and independent activities, respectively. For each assumption: a) The rest of the world likes exogenous variable and, b) The Rest of the world likes endogenous variable. From figure 1a and tables 8-9, when the G&S outside account is exogenous variable, the GI account impact on two items: the gross operating surplus (GOS) and wage and salaries of non-financial companies and household for deciles 1-6 (current transferences), for the deciles 7-10 the impact is in PIA, DI and UI accounts: remunerations, current transferences, rental of properties and savings. The government supports housing credit through financial institutions, publics (Housing Fund for Institute for Social Security and Services for State Workers (FOVISSSTE) and Institute of National Housing Fund for Workers (INFONAVIT)) and privates. Also, the government supports programs for entrepreneurs and self-employment. The population with income between deciles 4 and 9 are benefited with these programs. The "Crusade against hunger" program is aimed at people in the income decile 1. The wholesale trade & retail trade and the real estate and rental and leasing are more impactful than oil and gas extraction and petroleum and coal products manufacturing production respect to the gross value of production (GVP). Mexico has become a trade and service country and does not remain as producer of goods. The strength of the domestic economy was sacrificed to maintain stable macroeconomic variable by through free trade agreements (FTAs). The sector 48 and 81, transport and other services except public administration, and subsector 561, administrative and support services were profited during this change. The sectors of electric power generation, transmission and distribution, basic chemical manufacturing, bakeries and tortilla manufacturing, animal slaughtering and processing, oilseed and grain farming and dairy product manufacturing become constant or traditional. The Information sector growth is due to technological development.

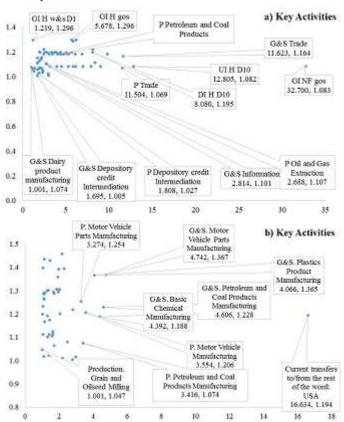


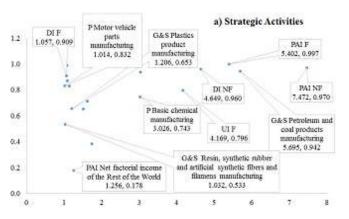
Fig 1. The fixed-price multiplier analysis. Key activities.a) Goods and services with outside account likes exogenous variable. b)

Goods and services with outside account likes endogenous variable

From figure 1b and tables 8-9, the current transfers to/from the USA have the most impact into Mexican economy. It is followed by motor vehicle parts manufacturing, petroleum coal products manufacturing, basic chemical manufacturing, motor vehicle manufacturing and electric power generation, transmission and distribution. Before current transferences for household decile 10 appear iron and steel mills and ferroalloy manufacturing, resin, synthetic rubber and artificial synthetic fibers and filaments manufacturing, steel manufacturing from purchased steel, semiconductor and video equipment manufacturing, and animal slaughtering and processing. Analogously for the rest of economic sectors, subsectors and branches like assumption a). From tables 8-9, the key activities that strengthen the internal market are showed in table 4. The G&S and production accounts are related to the IOT and the gross value of production (GVP), respectively. Petroleum and coal products manufacturing have been the strongest support of the Mexican economy until now. The production chains have been losing in the country. Mexico has changed from a producer to a service country. The habits of Mexicans are reflected in how industries of bottled drinks and bread and tortillas have become key activities. The animal slaughtering and processing and beverage manufacturing are industries that have increased their gross value added (GVA). Transport, information, basic chemical manufacturing and electric sectors are key to economic development.

Table 4. Key activities that appear with assumptions a) and b)

Code	Description						
r26-3241	P. Petroleum and Coal Products Manufacturing						
r28-RESTO 48	G&S. 4811 Scheduled Air Transportation, 4812 Nonscheduled Air Transportation, 4821 Rail Transportation, 4832 Inland Water Transportation, 4841 General Freight Trucking, 4851-4855 (Urbar Transit Systems, Interurban and Rural Bus Transportation, Taxi and Limousine Service, School and Employee Bus Transportation Charter Bus Industry), 4859 Other Transit and Ground Passenger Transportation, 4871 Scenic and Sightseeing Transportation, Land 4872 Scenic and Sightseeing Transportation, Water, 4879 Scenic and Sightseeing Transportation, Water, 4879 Scenic and Sightseeing Transportation, Other, 4881-4885 (Support Activities for Air Transportation, Support Activities for Road Transportation, Freight Transportation, Arrangement), 4889 Other Support Activities for Transportation.						
r7-RESTO 48	P. 4811, 4812, 4821, 4832, 4841, 4851-4855, 4859, 4871, 4872, 4879 4881-4885, 4889.						
г26-3251	P. Basic Chemical Manufacturing						
r3-2211	G&S. Electric Power Generation, Transmission and Distribution						
r9	G&S. Information						
r5-3116	G&S. Animal Slaughtering and Processing						
r26-3116	P. Animal Slaughtering and Processing						
г26-3121	P. Beverage Manufacturing						
r5-3121	G&S. Beverage Manufacturing						
r5-3118	G&S. Bakeries and Tortilla Manufacturing						



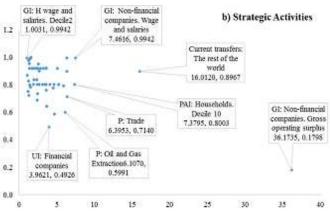


Fig 2. The fixed-price multiplier analysis. Strategic activities.
a) Goods and services with outside account likes exogenous variable. b) Goods and services with outside account likes endogenous variable.

From figure 2a and table 10, the rental of properties of nonfinancial companies is the economic activity more strategic. It is following for financial companies and NFIRW. The GVP of petroleum and coal products manufacturing, plastics product manufacturing and resin, synthetic rubber and artificial synthetic fibers and filaments manufacturing are strategic activities for assumption a) and key under assumption b). The current transferences of non-financial companies and the rental of properties of financial companies are strategic activities whereas households are activities. The intermediate consumption key manufacturing of petroleum and coal, basic chemical, motor vehicle parts and resin, synthetic rubber, artificial synthetic fibers and filaments are medium strategic activities whereas they are key activities under assumption b). From figure 2b and table 10, when G&S outside account is endogenous variable, the GOS of non-financial companies is the strongest strategic activity. Secondarily, the current transferences from/to RW. The adjustment net national income and rental of the properties are strategic activities for all deciles of income for household whereas they are key activities on the assumption a).

The flows of production (IOT, intermediate consumption) and the GVP of oil and gas extraction, real estate and rental and leasing; professional, scientific and technological services and, the rest of 561 are medium and low strategic activities. The wages and salaries of decile 1 and 2 of income are strategic activities. These activities impact to government support programs and outsourcing jobs. From table 10, the strategic activities that strengthen the internal market are showed in table 5. The PAI account is related to net value added (NVA) and rental of property from economy (assets/liabilities), explicitly. It implicitly includes the gross mixed income (GMI) and gross operating surplus (GOS). These appear in generation of income account. In the case of UI account are present the adjustment net national income includes net factor income from/to RW. And, in the DI account is the CFC, net taxes on products subsidies and current transferences. The companies are strategic institutional sectors, the factor income and CFC impact on the financial companies. The GVP of economic subsector 561, administrative and support services, is linked with companies and government through offer/require services. The government is a big consumer of outsourcing services.

Table 5. Strategic activities that appear with assumptions a) and b)

Code	Description
r44-NF	PAI: Non-financial
r44-F	PAI. Financial companies
r46-F	UI: Financial companies
r35-561	P: THE REST OF THE SUB-SECTOR561: Administrative and Support Services
r45-F	DI: Financial companies

From figure 3a and tables 11-14, the more intensive leading economic activities are the manufacturing of pharmaceutical and medicine, dairy products, animal food, sugar and confectionery products, other food, iron and steel

mills and ferroalloy, other crop farming and cattle ranching and farming in production and intermediate consumption. The wage and salaries of household decile 2 of income and financial companies and the effective employer contribution for non-pension of non-financial companies are link to construction sector like leading activity.

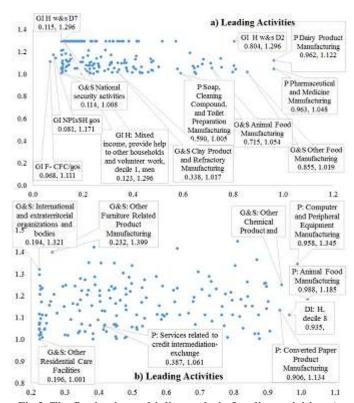


Fig 3. The fixed-price multiplier analysis. Leading activities. a)
Goods and services with outside account likes exogenous variable.
b) Goods and services with outside account likes endogenous
variable

Secondarily, financial sector has leading activities through of management of companies and enterprises, securities and commodity contracts intermediation and brokerage, nondepository credit intermediation and insurance carriers. Thirdly, the mixed income for sex and kind of activity impact likes leading economic branch: providing care and support for woman for deciles 3, 2, 4, 1 and 5, in this order. It follows the provide food for woman for deciles 5-1. These are independent activities on the assumption b). The NPIsSH are leading by imputed contribution by employers for non-pension. The medium class is the leading class of mexican economy. From figure 3b and tables 11-14, when outside account is endogenous variable, the manufacturing of animal food, computer and peripheral equipment, other chemical product and preparation, converted paper product are leading activities. Also, current transferences from/to household with deciles 1-8 of income are this kind of activity. Under assumption b) they are key activities. This is migration effect to USA mostly. A large of primary and secondary activities independent: pesticide, fertilized and other agricultural alumina and aluminum production processing, manufacturing of dairy product, poultry and eggs production, cattle ranching and farming, medical equipment and supplies, soap, cleaning compound and toilet preparation, household appliance, printing and related support activities, among other activities. From tables 11-14, the leading activities that strengthen the internal market are showed in table 6. They are mainly secondary activities, few primary activities and many government activities. The secondary activities impact in GVP and primary, thirdly and government activities in flow of production or intermediate consumption.

Table 6. Leading activities that appear with assumptions a) and b)

Code	Description				
r26-3115	P:Dairy Product Manufacturing				
r5-3119	G&S: Other Food Manufacturing				
r26-3113	P:Sugar and Confectionery Product Manufacturing				
r1-1119	G&S: Other Food Manufacturing				
r26-3328	P:Coating, Engraving, Heat Treating, and Allied Activities				
r26-3326	P:Spring and Wire Product Manufacturing				
r26-3161	P:Leather and Hide Tanning and Finishing				
r26-3117	P:Seafood Product Preparation and Packaging				
r41-9321	P:International and extraterritorial organizations and				
r26-3212	P: Veneer, Plywood, and Engineered Wood Product Manufacturing				
r1-1153	G&S: Support Activities for Forestry				
r5-3274	G&S: Lime and Gypsum Product Manufacturing				
r1-1125	G&S: Aquaculture				
r10-5239	G&S: Other Financial Investment Activities				
r7-4869	G&S: Other Pipeline Transportation				
r16-6244	G&S: Child Day Care Services				
r10-5232	G&S: Securities and Commodity Exchanges				
r2-2131	G&S: Support Activities for Mining				
r43-	GI. Household: Mixed income, provide cleaning and				
HGMILyMMD1	maintenance of housing, decile1, men				
r1-1153	G&S: Timber Tract Operations				
r43-HGMIAMD2	GI. Household: Mixed income, provide food, decile2, men				
r1-1125	G&S: Individual and Family Services				
r43-NPIsSHws	GI. NPIs SH: Wage and salaries				
r20-9321	G&S: International and extraterritorial organizations and bodies				
r20-9317	G&S: Foreign affairs				
r20-9318	G&S: National security activities				

From figures 4a and tables 15-19, the GVP of grain and oilseed milling, educational services, plastic product manufacturing and insurance carriers are the strongest independent activities. On the assumption b) insurance carriers, pulp, manufacturing of animal food and converted paper product are leading activities whereas with assumption a) they are independent activities. The import and export subsidies into GI account are government independent activities. The rental of property of non-financial companies are an intensive independent activity while the intermediate consumption of manufacturing of motor vehicle is under assumption b) key activity. On assumption a), primary activities does not appear as independent except other animal production. Under assumption b) many primary activities are independent, for example, Other crop farming, cattle ranching and farming, vegetable and melon farming, fruit and tree nut farming, logging, etc. Many secondary and thirdly are independent as water collection, treatment and supply of water; steel product manufacturing from purchased steel;

paint, coating and adhesive manufacturing; iron and steel mills and ferroalloy manufacturing, general public administration, regulating and promoting economic development, administrative activities of social welfare institutions, among other activities. From figures 4b and tables 15-19, when G&S outside account is endogenous variable, the management of companies and enterprises, other crop farming and cattle ranching and farming are the most independent intensives activities.

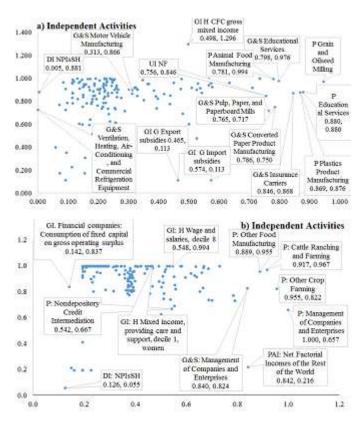


Fig 4. The fixed-price multiplier analysis. Independent activities.
a) Goods and services with outside account likes exogenous variable. b) Goods and services with outside account likes endogenous variable.

Table 7. Independent activities that appear with assumptions a) and b).

	and b):
Code	Description
r22-1119	P: Other Crop Farming
r15	PAI: Net Factorial Incomes of the Rest of the World
r3-2221	G&S: Water collection, treatment and supply of water
r40-8141	P: Private Households
r37-RESTO621	P: THE REST OF THE SUB-SECTOR621: Ambulatory Health Care Services
r37-6221	P: Fishing
r31-5223	P:Activities Related to Credit Intermediation
r41-9312	P:General public administration
r41-9313	P: Regulating and promoting economic development
r10-5223	G&S. Activities Related to Credit Intermediation
r14-5621	G&S. Waste Collection
r16-6242	G&S. Community Food and Housing, and Emergency and Other Relief Services
r16-6222	G&S. Psychiatric and Substance Abuse Hospitals
r16-6232	G&S. Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities
r16-6231	G&S. Nursing Care Facilities (Skilled Nursing Facilities)

Table 8. Key Institutional and Economic Sectors

			kes exogenous variable	1) The rest of	the world like	s endogenous variable
Variable code	Standardized		Name	Variable code		Standardized	Name
variable code	forward	backward	Name	variable code	loi wai d backwai		Name
42 NE	linkages	linkages	GI. Non-financial companies: gross operating surplus	CO CT FILL	linkages	linkages	Current transfers to/from the rest of the word: EUA
r43-NF gos	32.700	1.083	1 0 1 0 1	r50-CT EUA	16.634	1.194	
r46-H D10	12.805	1.082	UI: Household, decile 10	r5-3363	4.742	1.367	G&S. Motor Vehicle Parts Manufacturing
r6	11.623	1.164	G&S: Wholesale Trade & Retail Trade	r5-3241	4.606	1.228	G&S. Petroleum and Coal Products Manufacturing
r27	11.504	1.069	P: Wholesale Trade & Retail Trade	r5-3251	4.392	1.188	G&S. Basic Chemical Manufacturing
r44-H D10	9.787	1.182	PAI: Household, decile 10	r5-3361	4.066	1.365	G&S. Motor Vehicle Manufacturing
r46-H D9	8.983	1.082	UI: Household, decile 9	r26-3361	3.554	1.206	P: Motor Vehicle Manufacturing
r32	8.370	1.114	P: Real Estate and Rental and Leasing	r26-3241	3.416	1.074	P: Petroleum and Coal Products Manufacturing
r11	8.116	1.219	G&S: Real Estate and Rental and Leasing	r26-3363	3.274	1.254	P: Motor Vehicle Parts Manufacturing
r45-H D10	8.080	1.195	DI: Household, decile 10	r28-RESTO 48	2.968	1.015	G&S: 4811, 4812, 4821, 4832, 4841, 4851-4855, 4859, 4871, 4872, 4879, 4881-4885, 4889.
r46-H D8	7.910	1.082	UI: Household, decile 8	r7-RESTO 48	2.802	1.218	P: 4811, 4812, 4821, 4832, 4841, 4851-4855, 4859, 4871, 4872 4879, 4881-4885, 4889.
r46-H D7	6.942	1.082	UI: Household, decile 7	r26-3251	2.773	1.004	P: Basic Chemical Manufacturing
r44-H D9	6.874	1.182	PAI: Household, decile 9	r3-2211	2.484	1.080	G&S: Electric Power Generation, Transmission and Distribution
r43-NF w s	6.178	1.296	GI. Non-financial companies: wage and salaries	r5-3344	2.279	1.394	G&S: Semiconductor and Other Electronic Component Manufacturing
r46-H D6	6.139	1.082	UI: Household, decile 6	r9	2.197	1.010	G&S: Information
r44-H D8	6.056	1.182	PAI: Household, decile 8	r5-3343	2.173	1.458	G&S: Audio and Video Equipment Manufacturing
r7-RESTO 48	5.807	1.287	G&S: THE REST OF THE SECTOR 48: Transportation	r5-3311	2.049	1.201	G&S: Iron and Steel Mills and Ferroalloy Manufacturing
r46-H D5	5.800	1.082	UI: Household, decile 5	r5-3261	2.019	1.305	G&S: Plastics Product Manufacturing
r45-H D9	5.681	1.195	DI: Household, decile 9	r5-3342	1.957	1.392	G&S: Communications Equipment Manufacturing
r43-H gos	5.678	1.296	GI: Hosehold: Gross operating surplus	r5-3314	1.938	1.295	G&S: Nonferrous Metal (except Aluminum) Production and Processing
r44-H D7	5.318	1.182	PAI: Household, decile 7	r5-3341	1.915	1.358	G&S: Computer and Peripheral Equipment Manufacturing
r46-H D4	5.271	1.082	UI: Household, decile 4	r5-3252	1.833	1.305	G&S: Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing
r28-RESTO 48	5.066	1.186	P: THE REST OF THE SECTOR 48: Transportation	r1-1111	1.707	1.064	G&S: Oilseed and Grain Farming
r45-H D8	5.007	1.195	DI: Household, decile 8	r5-3359	1.693	1.288	G&S: Other Electrical Equipment and Component Manufacturing
r44-H D6	4.706	1.182	PAI: Household, decile 6	r5-3116	1.645	1.295	G&S: Animal Slaughtering and Processing
r46-H D3	4.488	1.082	UI: Household, decile 3	r26-3314	1.636	1.123	P: Nonferrous Metal (except Aluminum) Production and Processing

r44-H D5	4.448	1.182	PAI: Household, decile 5	r26-3116	1.625	1.113	P: Animal Slaughtering and Processing
r45-H D7	4.399	1.195	DI: Household, decile 7	r5-3312	1.584	1.104	G&S: Steel Product Manufacturing from Purchased Steel
r26-3241	4.213	1.185	P: Petroleum and Coal Products Manufacturing	r26-3343	1.450	1.429	P: Audio and Video Equipment Manufacturing
r44-H D4	4.044	1.182	PAI: Household, decile 4	r26-3261	1.438	1.174	P: Plastics Product Manufacturing
r46-H D2	3.950	1.082	UI: Household, decile 2	r45-H D10	1.400	1.112	DI: Household, decile 10
r45-H D6	3.895	1.195	DI: Household, decile 6	r26-3121	1.388	1.020	P: Beverage Manufacturing
r45-H D5	3.683	1.195	DI: Household, decile 5	r5-3353	1.350	1.302	G&S: Electrical Equipment Manufacturing
r44-H D3	3.447	1.182	PAI: Household, decile 3	r5-3121	1.307	1.191	G&S: Beverage Manufacturing
r45-H D4	3.350	1.195	DI: Household, decile 4	r5-3254	1.296	1.100	G&S: Pharmaceutical and Medicine Manufacturing
r46-H D1	3.141	1.082	UI: Household, decile 1	r5-3336	1.282	1.299	G&S: Engine, Turbine, and Power Transmission Equipment Manufacturing
r44-H D2	3.037	1.182	PAI: Household, decile 2	r5-3118	1.133	1.167	G&S: Bakeries and Tortilla Manufacturing
r14-561	2.984	1.008	G&S: THE REST OF THE SUB-SECTOR 561: Administrative and Support Services	r5-3329	1.130	1.292	G&S: Other Fabricated Metal Product Manufacturing
r30	2.957	1.022	P: Information	r5-3345	1.110	1.263	G&S: Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
r45-H D3	2.859	1.195	DI: Household, decile 3	r26-3344	1.110	1.434	P: Semiconductor and Other Electronic Component Manufacturing
r9	2.814	1.101	G&S: Information	r5-3221	1.108	1.285	G&S: Pulp, Paper, and Paperboard Mills
r23-2111	2.688	1.107	P: Oil and Gas Extraction	r50-CT Canada	1.100	1.018	Current transfers to the rest of the word: Canada
r45-H D2	2.521	1.195	DI: Household, decile 2	r5-3399	1.081	1.265	G&S: Other Miscellaneous Manufacturing
r2-2111	2.421	1.220	G&S: Oil and Gas Extraction	r5-3222	1.075	1.287	G&S: Converted Paper Product Manufacturing
r44-H D1	2.421	1.182	PIA: Household, decile 1	r26-3342	1.048	1.398	P: Communications Equipment Manufacturing
r24-2211	2.331	1.043	P: Electric Power Generation, Transmission and Distribution	r5-3112	1.037	1.231	G&S: Grain and Oilseed Milling
r12	2.274	1.033	G&S: Professional, Scientific, and Technical Services	r45-H D9	1.037	1.112	DI: Household, decile 9
r33	2.248	1.062	P: Professional, Scientific, and Technical Services	r26-3252	1.014	1.198	P: Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing
r39	2.213	1.070	P: Accommodation and Food Services	r26-3112	1.001	1.047	P: Grain and Oilseed Milling
r5-3116	2.173	1.156	G&S: Animal Slaughtering and Processing				
r3-2211	2.134	1.140	G&S: Electric Power Generation, Transmission and Distribution				
r18	2.075	1.140	G&S: Accommodation and Food Services				
r45-H D1	2.013	1.195	DI: Household, decile 1				
r26-3251	1.966	1.073	P: Basic Chemical Manufacturing				
r26-3116	1.965	1.198	P: Animal Slaughtering and Processing				
r26-3118	1.912	1.029	P: Bakeries and Tortilla Manufacturing	1			
r5-3118	1.896	1.125	G&S: Bakeries and Tortilla Manufacturing				

Table 9. Key Institutional and Economic Sectors - continuation -

a) The rest	of the world likes exogeno	ous variable			b) The rest of the	world likes endogen	ous
	Standardized	Standardized			Standardized	Standardized	
Variable code	forward linkages	backward linkages	Name	Variable code	forward linkages	backward linkages	Name
r31-5221	1.808	1.027	P: Depository Credit Intermediation				
r40-RESTO 81	1.788	1.063	P: THE REST OF THE SECTOR 81: Other Services (except Public Administration)				
r44-NPIsSH	1.710	1.058	PAI: NPIsSH				
r10-5221	1.695	1.005	G&S: Depository Credit Intermediation				
r19-RESTO 81	1.690	1.150	G&S: THE REST OF THE SECTOR 81: Other Services (except Public Administration)				
r43-F gos	1.682	1,111	GI: Financial companies: gross operating surplus				
r5-3121	1.339	1.067	G&S: Beverage Manufacturing				
r26-3121	1.288	1.044	P: Beverage Manufacturing				
r43-H w s D1	1.219	1.296	GI: Household: Wage and salaries, decile 1				
r22-1111	1.107	1.063	G&S: Oilseed and Grain Farming				
r5-3115	1.001	1.074	G&S: Dairy Product Manufacturing				

Table 10. Strategic Institutional and Economic Sectors

a) Th	ne rest of the world l	ikes exogenous	variable		b) The re	st of the worl	d likes endogenous variable
Variable code	Standardized forward linkages	Standardized backward linkages	Name	Variable code	Standardized forward linkages	Standardized backward linkages	Name
r44-NF	7.472	0.970	PAI: Non-financial companies	r43-NF gos	36.1735	0.1798	GI: Non-financial companies. Gross operating surplus
r5-3241	5.695	0.942	G&S: Petroleum and Coal Products Manufacturing	r50-CT RW2	16.0120	0.8967	Current transfers: The rest of the world
r44-F	5.402	0.997	PAI: Financial companies	r43-NF w	7.4616	0.9942	GI: Non-financial companies. Wage and
r45-NF	4.649	0.960	DI: Non-financial companies	r44-H D10	7.3795	0.8003	PAI: Households. Decile 10
r46-F	4.169	0.796	UI: Financial companies	r27	6.3953	0.7140	P: Trade
r35-561	3.036	0.938	P: THE REST OF THE SUB-SECTOR 561: Administrative and Support Services	r43-H gos	6.3385	0.9942	GI: Hosehold: Gross operating surplus
r5-3251	3.026	0.743	G&S: Basic Chemical Manufacturing	r6	6.3093	0.8956	G&S: Trade
r5-3344	1.742	0.382	G&S: Semiconductor and Other Electronic Component Manufacturing	r23-2111	6.1070	0.5991	P: Oil and Gas Extraction
r1-1111	1.614	0.714	G&S: Oilseed and Grain Farming	r2-2111	5.9131	0.7929	G&S: Oil and Gas Extraction
r5-3363	1.506	0.653	G&S: Motor Vehicle Parts Manufacturing	r44-H D9	5.2156	0.8003	PAI: Household, decile 9
r44-NFIRW	1.256	0.178	PAI: Net Factorial Incomes of the Rest of the World (NFIRW)	r46-H D10	5.0821	0.9179	UI: Household, decile 10
r5-3261	1.206	0.653	G&S: Plastics Product Manufacturing	r32	4.6916	0.5863	P: Real Estate and Rental and Leasing
r5-3254	1.139	0.829	G&S: Pharmaceutical and Medicine Manufacturing	r44-H D8	4.6079	0.8003	PAI: Household, decile 8
r5-3112	1.080	0.869	G&S: Grain and Oilseed Milling	r11	4.5311	0.7776	G&S: Real Estate and Rental and Leasing
r52 adi	1.076	0.988	Adjustment	r44-H D7	4.0599	0.8003	PAI: Household, decile 7
r45-F	1.057	0.909	DI: Financial companies	r46-F	3.9621	0.4926	UI: Financial companies
r5-3252	1.032	0.533	G&S: Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	r44-F	3.6472	0.6430	PAI. Financial companies
r26-3363	1.014	0.832	P: Motor Vehicle Parts Manufacturing	r46-H D9	3.6100	0.9179	UI: Household, decile 9



-44 H D(2.6054	0.0002	DAT. II
r44-H D6	3.6054	0.8003	PAI: Household, decile 6
r35-561	3.5964	0.7603	P: THE REST OF THE SUB-SECTOR 561: Administrative and Suppor Services
r14-561	3.5683	0.9201	G&S: THE REST OF THE SUB-SECTOR 561: Administrative and Suppor Services
r44-H D5	3.4136	0.8003	PAI: Household, decile 5
r46-H D8	3.1966	0.9179	UI: Household, decile 8
r44-H D4	3.1138	0.8003	PAI: Household, decile 4
r46-H D7	2.8238	0.9179	UI: Household, decile 7
r44-H D3	2.6704	0.8003	PAI: Household, decile 3
r24-2211	2.6392	0.8993	P: Electric Power Generation, Transmission and Distribution
r12	2.5705	0.9497	G&S: Professional, Scientific, and Technical Services
r46-H D6	2.5147	0.9179	UI: Household, decile 6
r33	2.4204	0.7338	P: Professional, Scientific, and Technical Services
r46-H D5	2.3842	0.9179	UI: Household, decile 5
r45-F	2.3667	0.6864	DI: Financial companies
r44-H D2	2.3659	0.8003	PAI: Household, decile 2
r30	2.3174	0.8363	P. Information
r46-H D4	2.1802	0.9179	UI: Household, decile 4 GI: Financial companies: Gross operating surplus
r43-F gos	1.9257	0.8369	GI: Financial companies: Gross operating surplus
r44-H D1	1.9077	0.8003	PAI: Household, decile 1
r46-H D3	1.8786	0.9179	UI: Household, decile 3
r46-H D2	1.6715	0.9179	UI: Household. decile 2
r26-3311	1.5613	0.9983	P: Iron and Steel Mills and Ferroalloy Manufacturing
r44-NF	1.5578	-0.0140	PAI: Non-financial
r23-2122	1.5043	0.7838	P. Metal Ore Mining
r43-H w s D1	1.4885	0.9942	GI: Households - wage and salaries. Decile 1
r39	1.4691	0.7896	P: Accommodation and Food Services
r26-3312	1.4685	0.9931	P: Steel Product Manufacturing from Purchased Steel
r2-2122	1.4114	0.9851	G&S: Metal Ore Mining
r40-RESTO 81	1.3837	0.7981	P: RESTO 81 Other Services (except Public Administration)
r46-H D1	1.3598	0.9179	UI: Household, decile 1
r18	1.3283	0.9521	G&S: Accommodation and Food Services
r26-3118	1.3074	0.9798	P: Bakeries and Tortilla Manufacturing
r31-5221	1.2730	0.7216	P: Depository Credit Intermediation
r10-5221	1.2427	0.8262	G&S: Depository Credit Intermediation
r19-RESTO	1.2195	0.9768	G&S: RESTO 81: Other Services (except Public Administration)
r22-1111	1.1587	0.7513	P: Oilseed and Grain Farming
r26-3254	1.0795	0.8689	P: Pharmaceutical and Medicine Manufacturing
r43-H w s D2	1 0021	0.9942	GI: Households: wage and salaries. Decile2

Table 11. Leading Institutional and Economic Sectors

	a) The rest of the world likes exogenous variable b) The rest of the world likes endogenous variable b) The rest of the world likes endogenous variable											
	Standardi	Standardize	c world likes exugellous variable		Standardized	Standardized						
Variable code	zed forward	d backward linkages	Name	Variable code	forward linkages	backward linkages	Tuille					
r26-3254	0.963		P: Pharmaceutical and Medicine	r26-3111	0.988	1.185	P: Animal Food Manufacturing					
r26-3115	0.962		P: Dairy Product Manufacturing	r26-3341	0.958	1.345	P: Computer and Peripheral Equipment Manufacturing					
r5-3119	0.855		G&S: Other Food Manufacturing	r45-H D8	0.935	1.112	DI: Household, decile 8					
r22-1121	0.809		P: Cattle Ranching and Farming	r5-3259	0.911	1.251	G&S: Other Chemical Product and Preparation Manufacturing					
r43-H w s D2	0.804		GI: Household: Wage and salaries.	r26-3222	0.906	1.134	P: Converted Paper Product Manufacturing					
r26-3119	0.802		P: Other Food Manufacturing	r26-3113	0.877	1.037	P: Sugar and Confectionery Product Manufacturing					
r25	0.798	1.019	P: Construction	r26-3359	0.871	1.174	P: Other Electrical Equipment and Component Manufacturing					
r34	0.753	1.062	P: Management of Companies and Enterprises	r5-3339	0.867	1.242	G&S: Other General Purpose Machinery Manufacturing					
r1-1121	0.749		G&S: Cattle Ranching and Farming	r26-3221	0.866	1.140	P: Pulp. Paper. and Paperboard Mills					
r5-3111	0.715	1.054	G&S: Animal Food Manufacturing	r5-3313	0.864	1.259	G&S: Alumina and Aluminum Production and Processing					
r22-1123	0.709	1.098	P: Poultry and Egg Production	r5-3253	0.860	1.256	G&S: Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing					
r13	0.682	1.132	G&S: Management of Companies and Enterprises	r26-3152	0.845	1.003	P: Cut and Sew Apparel Manufacturing					
r31-5241	0.676	1.090	P: Insurance Carriers	r45-H D7	0.843	1.112	DI: Household, decile 7					
r26-3113	0.659	1.068	P: Sugar and Confectionery Product Manufacturing	r1-1119	0.843	1.027	G&S: Other Crop Farming					
r22-1119	0.650	1.003	P: Other Crop Farming	r5-3111	0.838	1.365	G&S: Animal Food Manufacturing					
r1-1119	0.646	1.019	G&S: Other Crop Farming	r26-3115	0.831	1.026	P: Dairy Product Manufacturing					
r26-3311	0.645	1.053	P: Iron and Steel Mills and Ferroalloy Manufacturing	r5-3119	0.824	1.153	G&S: Other Food Manufacturing					
r5-3113	0.640	1.071	G&S: Sugar and Confectionery Product Manufacturing	r26-3353	0.810	1.196	P: Electrical Equipment Manufacturing					
r1-1123	0.627	1.189	G&S: Poultry and Egg Production	r5-3132	0.810	1.264	G&S: Fabric Mills					
r26-3256	0.590	1.005	P: Soap, Cleaning Compound, and Toilet Preparation Manufacturing	r10-5241	0.805	1.153	G&S: Insurance Carriers					
r38	0.577	1.047	P: Arts, Entertainment, and Recreation	r26-3256	0.796	1.051	P: Soap, Cleaning Compound, and Toilet Preparation Manufacturing					
r43-F w s	0.571	1.296	GI: Financial companies: wage and salaries	r5-3152	0.791	1.183	G&S: Cut and Sew Apparel Manufacturing					
r43- NFCexnonpension	0.516	1.296	Gl: Non-financial companies: effective employer contribution for nonpension	r26-3399	0.787	1.104	P: Other Miscellaneous Manufacturing					
r31-5224	0.502	1.064	P: Securities and Commodity Contracts Intermediation and Brokerage	r5-3391	0.781	1.449	G&S: Medical Equipment and Supplies Manufacturing					
r17	0.480	1.118	G&S: Arts, Entertainment, and Recreation	r26-3391	0.774	1.338	P: Medical Equipment and Supplies Manufacturing					
r29	0.477	1.033	P: Postal Service and Warehousing	r45-H D6	0.766	1.112	DI: Household, decile 6					

r26-3114	0.474	1.108	P: Fruit and Vegetable Preserving and Specialty Food Manufacturing	r26-3336	0.765	1.179	P: Engine, Turbine, and Power Transmission Equipment Manufacturing
r31-5222	0.474	1.036	P: Nondepository Credit Intermediation	r5-3113	0.761	1.216	G&S: Sugar and Confectionery Product Manufacturing
r10-5224	0.471	1.135	G&S: Securities and Commodity Contracts Intermediation and Brokerage	r31-5241	0.751	1.009	P: Insurance Carriers
r22-1113	0.461	1.017	P: Fruit and Tree Nut Farming	r5-3115	0.745	1.208	G&S: Dairy Product Manufacturing
r16-RESTO 621	0.436	1.012	G&S: THE REST OF THE SUB-SECTOR 621: Ambulatory Health Care Services	r22-1123	0.741	1.063	P: Poultry and Egg Production
r23-2123	0.434	1.065	P: Nonmetallic Mineral Mining and Ouarrying	r1-1121	0.735	1.150	G&S: Cattle Ranching and Farming
r1-1113	0.428	1.012	G&S: Fruit and Tree Nut Farming	r45-H D5	0.734	1.112	DI: Household, decile 5
r26-3253	0.427	1.017	P: Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	r5-3256	0.717	1.232	G&S: Soap, Cleaning Compound, and Toilet Preparation Manufacturing
r43-H GMI CyA	0.422	1.296	Chemical Manufacturing GI: Household. Mixed income, providing care and support, decile 3, women	r26-3253	0.705	1.083	P: Pesticide, Fertilizer, and Other Agricultural
r43-H w s D8	0.416	1.296	GI. Household: Wage and salaries, decile 8	r26-3352	0.703	1.266	P: Household Appliance Manufacturing
r43-H GMI CyA W D2	0.414	1.296	GI. Household: Wage and salaries, decile 8 GI. Household: Mixed income, providing care and support, decile 2, women	r5-3334	0.698	1.200	P: Household Appliance Manufacturing G&S: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing
r26-3211	0.413	1.160	P: Sawmills and Wood Preservation	r5-3262	0.697	1.288	G&S: Rubber Product Manufacturing
r31-5242	0.411	1.044	P: Agencies, Brokerages, and Other Insurance Related Activities	r45-H D4	0.684	1.112	DI: Household, decile 4
r22-1133	0.409	1.134	P: Logging	r5-3333	0.675	1.229	G&S: Commercial and Service Industry
r26-3271	0.403	1.058	P: Clay Product and Refractory Manufacturing	r5-3328	0.664	1.309	Machinery Manufacturing G&S: Coating, Engraving, Heat Treating, and Allied Activities
r10-5222	0.401	1.066	G&S: Nondepository Credit Intermediation	r26-3231	0.655	1.067	P: Printing and Related Support Activities
r19-8141	0.396	1.014	G&S: Private Households	r26-3329	0.652	1.193	P: Other Fabricated Metal Product Manufacturing
r43-H GMI CyA W D4	0.383	1.296	GI. Household: Mixed income, providing care and support, decile 4, women	r5-3272	0.649	1.173	G&S: Glass and Glass Product Manufacturing
r43-NF CIxnonpension	0.382	1.296	GI. Non-financial companies: imputed contribution by employers for nonpension	r26-3132	0.636	1.120	P: Fabric Mills
r5-3114	0.378	1.026	G&S: Fruit and Vegetable Preserving and Specialty Food Manufacturing	r45-H D3	0.609	1.112	DI: Household, decile 3
r26-3272	0.375	1.047	P: Glass and Glass Product Manufacturing	r5-3231	0.602	1.234	G&S: Printing and Related Support Activities
r22-1122	0.372	1.057	P: Hog and Pig Farming	r5-3352	0.602	1.416	G&S: Household Appliance Manufacturing
r8	0.372	1.099	G&S: Postal Service and Warehousing	r26-3328	0.594	1.172	P: Coating, Engraving, Heat Treating, and Allied Activities
r31-5211	0.365	1.124	P: Monetary Authorities-Central Bank	r5-3332	0.592	1.226	G&S: Industrial Machinery Manufacturing
r5-3211	0.365	1.099	G&S: Sawmills and Wood Preservation	r26-3345	0.571	1.116	P: Navigational, Measuring, Electromedical, and Control Instruments Manufacturing

Table 12. Leading Institutional and Economic Sectors - continuation -

	Table 12. Leading Institutional and Economic Sectors – continuation -											
	a) The rest	of the world	likes exogenous variable		b) The re	st of the wo	orld likes endogenous variable					
	Standardized	Standardized			Standardize							
Variable code	forward	backward	Name	Variable code		backward	Name					
	linkages	linkages	CI Hayashald: Miyad inaama prayiding		linkages	linkages						
r43-H GMI CyA W	V 0.361	1.296	GI. Household: Mixed income, providing care and support, decile 1, women	r26-3255	0.564	1.106	P: Paint, Coating, and Adhesive Manufacturing					
r43-H GMI A W D5	0.354	1.296	GI. Household: Mixed income, provide food, decile 5, women	r1-1123	0.559	1.244	G&S: Poultry and Egg Production					
r26-3273	0.353	1.097	D: Coment and Congrete Product	r45-H D2	0.558	1.112	DI: Household, decile 2					
r43-H GMI CyA W		1.296	P: Cement and Concrete Product GI. Household: Mixed income, providing care and support, decile 5, women	r26-3259	0.555	1.091	P: Other Chemical Product and Preparation Manufacturing					
D5 r26-3328	0.344	1.038	P: Coating, Engraving, Heat Treating, and Allied Activities	r5-3211	0.550	1.155	G&S: Sawmills and Wood Preservation					
r10-5242	0.339	1.101	G&S: Agencies, Brokerages, and Other Insurance Related Activities	r5-3114	0.543	1.115	G&S: Fruit and Vegetable Preserving and Specialty Food Manufacturing					
r5-3271	0.338	1.017	G&S: Clay Product and Refractory	r5-3364	0.540	1.289	G&S: Aerospace Product and Parts Manufacturing					
r43-H GMI A W	0.338	1.296	Gl. Household: Mixed income, provide food, decile 4, women	r26-3324	0.510	1.191	P: Boiler, Tank, and Shipping Container Manufacturing					
r26-3314	0.324	1.055	P: Nonferrous Metal (except Aluminum) Production and Processing	r5-3255	0.506	1.272	G&S: Paint, Coating, and Adhesive					
r43-H GMI A W D3	0.321	1.296	GI. Household: Mixed income, provide food, decile 3, women	r22-1122	0.505	1.098	P: Hog and Pig Farming					
r43-H GMI A W D2	0.318	1.296	GI. Household: Mixed income, provide food, decile 2, women	r26-3131	0.499	1.060	P: Fiber, Yarn, and Thread Mills					
r26-3371	0.316	1.015	P: Household and Institutional Furniture	r5-3131	0.498	1.238	G&S: Fiber, Yarn, and Thread Mills					
r22-1112	0.314	1.096	P: Vegetable and Melon Farming	r26-3262	0.497	1.169	P: Rubber Product Manufacturing					
r4	0.313	1.108	G&S: Construction	r26-3315	0.483	1.046	P: Foundries					
r43-NPIsSH CIxnonpension	0.311	1.171	G&S: Construction GI. NPISSH: imputed contribution by employers for nonpension	r26-3162	0.482	1.056	P: Footwear Manufacturing					
r26-3122	0.311	1.100	P: Tobacco Manufacturing	r45-H D1	0.481	1.112	DI: Household, decile 1					
r22-1141	0.308	1.083	P: Fishing	r26-3326	0.469	1.056	Production: Spring and Wire Product Manufacturing					
r43-H GMI A W	0.305	1.296	GI. Household: Mixed income, provide food, decile 1, women	r5-3331	0.468	1.337	G&S: Agriculture, Construction, and Mining Machinery Manufacturing					
r31-5231	0.301	1.044	P: Brokerage, exchange and exchange centers	r5-3133	0.468	1.255	G&S: Textile and Fabric Finishing and Fabric Coating Mills					
r43-H w s D6	0.290	1.296	GI. Household: Wage and salaries, decile 6	r5-3327	0.464	1.220	G&S: Machine Shops; Turned Product; and Screw Nut and Bolt Manufacturing					
r1-1133	0.289	1.216	G&S: Hardware Manufacturing	r5-3325	0.460	1.285	G&S: Hardware Manufacturing					
r22-1114	0.286	1.030	P: Greenhouse, Nursery, and Floriculture Production	r26-3323	0.452	1.013	P: Architectural and Structural Metals Manufacturing					
r1-1122	0.271	1.155	G&S: Cutlery and Handtool Manufacturing	r5-3322	0.452	1.206	G&S: Cutlery and Handtool Manufacturing					
r22-1132	0.264	1.060	P: Forest Nurseries and Gathering of Forest Products	r26-3362	0.451	1.136	P: Motor Vehicle Body and Trailer Manufacturing					
r26-3219	0.263	1.072	P: Other Wood Product Manufacturing	r26-3364	0.449	1.154	P: Aerospace Product and Parts Manufacturing					
r28-4862	0.262	1.075	P: Pipeline Transportation of Natural Gas	r26-3331	0.449	1.233	P: Agriculture, Construction, and Mining Machinery Manufacturing					
r22-1124	0.260	1.093	P: Sheep and Goat Farming	r26-3149	0.448	1.007	P: Other Textile Product Mills					

r26-3326	0.259	1.023	P: Spring and Wire Product Manufacturing	r5-3161	0.442	1.304	G&S: Leather and Hide Tanning and Finishing
r22-1153	0.256	1.020	P: Support Activities for Forestry	r26-3161	0.433	1.179	P: Leather and Hide Tanning and Finishing
r26-3161	0.254	1.141	P: Leather and Hide Tanning and Finishing	r5-3271	0.423	1.063	G&S: Clay Product and Refractory Manufacturing
r43-H w s D3	0.253	1.296	GI. Household: Wage and salaries, decile 3	r26-3322	0.422	1.002	P: Cutlery and Handtool Manufacturing
r43-H GMI LyM W D5	0.250	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, women	r26-3321	0.422	1.109	P: Forging and Stamping
-43-H GMI LyM W D4	0.249	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, women	r8	0.421	1.061	G&S: Postal Service and Warehousing
26-3274	0.245	1.050	P: Lime and Gypsum Product Manufacturing	r26-3151	0.420	1.012	P: Apparel Knitting Mills
f22-1125	0.244	1.093	P: Aquaculture	r5-3371	0.420	1.164	G&S: Household and Institutional Furniture and Kitchen Cabinet Manufacturing
r23-2121	0.242	1.004	P: Coal Mining	r26-3339	0.420	1.067	P: Other General Purpose Machinery Manufacturing
24-2222	0.241	1.087	P: Gas supply pipeline to the final consumer	r5-3326	0.418	1.235	G&S: Spring and Wire Product Manufacturing
31-5239	0.238	1.074	P: Other Financial Investment Activities	r26-3346	0.416	1.350	P: Manufacturing and Reproducing Magnetic and Optical Media
r43-H GMI LyM W D2	0.237	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, women	r26-3379	0.415	1.231	P: Other Furniture Related Product Manufacturing
r43-H GMI LyM W D3	0.234	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, women	r26-3365	0.415	1.069	P: Railroad Rolling Stock Manufacturing
r31-5232	0.232	1.107	P: Securities and Commodity Exchanges	r26-3351	0.408	1.242	P: Electric Lighting Equipment Manufacturing
r43-H GMI LyM W D1	0.229	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, women	r2-2121	0.404	1.188	G&S: Coal Mining
r37-6241	0.228	1.008	P: Individual and Family Services	r5-3315	0.400	1.225	G&S: Foundries
37-6214	0.227	1.047	P: Outpatient Care Centers	r26-3117	0.392	1.036	P: Seafood Product Preparation and Packaging
r31-5225	0.226	1.013	P: Services related to credit intermediation-exchange	r22-1131	0.388	1.067	P: Timber Tract Operations
22-1142	0.226	1.078	P: Hunting and Trapping	r41-9321	0.387	1.130	P: International and extraterritorial organizations and bodies
r41-9321	0.226	1.102	P: International and extraterritorial organizations and bodies	r31-5225	0.387	1.061	P: Services related to credit intermediation- exchange
r26-3117	0.222	1.074	P: Seafood Product Preparation and Packaging	r37-6241	0.384	1.045	P: Individual and Family Services
10-5211	0.222	1.214	G&S: Monetary Authorities-Central Bank	r1-1151	0.381	1.132	G&S: Support Activities for Crop Production
:5-3273	0.219	1.166	G&S: Boiler, Tank, and Shipping Container Manufacturing	r5-3324	0.377	1.349	G&S: Boiler, Tank, and Shipping Container Manufacturing
22-1151	0.215	1.025	P: Support Activities for Crop Production	r26-3325	0.374	1.174	P: Hardware Manufacturing
r5-3122	0.212	1.077	G&S: Footwear Manufacturing	r5-3162	0.374	1.224	G&S: Footwear Manufacturing

Table 13. Leading Institutional and Economic Sectors - continuation -

	ation -						
a)	The rest of	f the world	d likes exogenous variable				d likes endogenous variable
	Standardized	Standardized			Standardized	Standardized	
Variable code	forward	backward	Name	Variable code	forward	backward	Name
	linkages	linkages			linkages	linkages	
r26-3279	0.208	1.042	P: Other Nonmetallic Mineral Product Manufacturing	r5-3149	0.373	1.201	G&S: Other Textile Product Mills
r23-2131	0.206	1.036	P: Support Activities for Mining	r4	0.367	1.088	G&S: Construction
r43-H GMI CA W D4	0.205	1.296	P: Support Activities for Mining GI. Household: Mixed income, provide shopping and household management, decile 4, women	r5-3365	0.359	1.250	G&S: Railroad Rolling Stock Manufacturing
r43-H GMI CA W D5	0.205	1.296	GI. Household: Mixed income, provide shopping and household management, decile 5, women	r5-3362	0.358	1.286	G&S: Motor Vehicle Body and Trailer Manufacturing
r43-H GMI CyA M D4	0.201	1.296	GI. Household: Mixed income, providing care and support, decile 4, men	r5-3346	0.355	1.423	G&S: Manufacturing and Reproducing Magnetic and Optical Media
r43-H GMI LyC W D4	0.200	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, women	r26-3372	0.353	1.000	P: Office Furniture (including Fixtures) Manufacturing
r1-1114	0.200	1.033	G&S: Production: Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	r26-3327	0.353	1.025	P: Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing
r1-1141	0.199	1.147	G&S: Alumina and Aluminum Production and	r26-3313	0.350	1.155	P: Alumina and Aluminum Production and
r43-H GMI LyC W D5	0.199	1.296	Processing GI, Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, women	r26-3366	0.344	1.065	P: Ship and Boat Building
r22-1129	0.198	1.108	P: Other Animal Production	r5-3351	0.341	1.351	G&S: Electric Lighting Equipment
r43-H GMI CA W D3	0.196	1.296	GI. Household: Mixed income, provide shopping and household management, decile 3, women	r5-3369	0.339	1.226	G&S: Other Transportation Equipment Manufacturing
r26-3169	0.196	1.004	P: Other Leather and Allied Product	r5-3151	0.335	1.205	G&S: Apparel Knitting Mills
r43-H GMI CyA M D3	0.196	1.296	Manufacturing and income, providing care and support, decile 3, men	r5-3321	0.329	1.274	G&S: Forging and Stamping
r43-H GMI CyA M D2	0.195	1.296	GI. Household: Mixed income, providing care and support, decile 2, men	r5-3273	0.329	1.037	G&S: Cement and Concrete Product Manufacturing
r43-H GMI LyC W D3	0.193	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, women	r5-3117	0.320	1.224	G&S: Seafood Product Preparation and Packaging
r43-H GMI LyC W D2	0.191	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, women	r26-3169	0.320	1.070	P: Other Leather and Allied Product Manufacturing
r10-5231	0.190	1.109	G&S: Brokerage, exchange and exchange centers	r5-3323	0.316	1.181	G&S: Architectural and Structural Metals Manufacturing
r43-H GMI CA M D4	0.189	1.296	GI. Household: Mixed income, provide shopping and household management, decile 4, men	r1-1122	0.316	1.278	G&S: Hog and Pig Farming
r43-H GMI CA M D5	0.187	1.296	GI. Household: Mixed income, provide shopping and household management, decile 5, men	r1-1141	0.314	1.037	G&S: Fishing

		CI Hausahald: Miyad ingama provide alganing			1	
0.187	1.296		r26-3133	0.313	1.131	P: Textile and Fabric Finishing and Fabric Coating Mills
0.187	1.296		r19-8141	0.309	1.029	G&S: Private Households
0.183	1.296	GI. Household: Mixed income, provide shopping and household management, decile 2, women	r5-3219	0.308	1.160	G&S: Other Wood Product Manufacturing
0.177	1.296	GI. Household: Mixed income, provide shopping and household management, decile 3, men	r5-3335	0.300	1.244	G&S: Metalworking Machinery Manufacturing
0.176	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, women	r5-3141	0.294	1.164	G&S: Textile Furnishings Mills
0.175	1.050	G&S: Veneer, Plywood, and Engineered Wood Product Manufacturing	r26-3212	0.287	1.091	P: Veneer, Plywood, and Engineered Wood Product Manufacturing
0.175	1.296	GI. Household: Mixed income, providing care and support, decile 1, men	r16-6221	0.279	1.018	G&S: General Medical and Surgical Hospitals
0.174	1.296	GI. Household: Mixed income, provide shopping and household management, decile 1, women	r5-3212	0.273	1.247	G&S: Veneer, Plywood, and Engineered Wood Product Manufacturing
0.171	1.296	GI. Household: Wage and salaries, decile 5	r26-3369	0.270	1.021	P: Other Transportation Equipment
0.170	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 5,	r5-3279	0.267	1.150	G&S: Other Nonmetallic Mineral Product Manufacturing
0.168	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men	r5-3169	0.263	1.243	G&S: Other Leather and Allied Product Manufacturing
0.167	1.052	P: Veneer, Plywood, and Engineered Wood Product Manufacturing	r1-1153	0.247	1.120	G&S: Support Activities for Forestry
0.167	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men	r5-3159	0.238	1.206	G&S: Apparel Accessories and Other Apparel Manufacturing
0.164	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women	r5-3379	0.232	1.399	G&S: Other Furniture Related Product Manufacturing
0.163	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 2,	r5-3274	0.228	1.174	G&S: Lime and Gypsum Product Manufacturing
0.163	1.296	GI. Household: Mixed income, provide shopping and household management, decile 2, men	r1-1129	0.225	1.157	G&S: Other Animal Production
0.162	1.146	G&S: Aquaculture	r1-1125	0.215	1.074	G&S: Aquaculture
0.161	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men	r26-3335	0.214	1.111	P: Metalworking Machinery Manufacturing
0.156	1.296	GI. Household: Mixed income, provide food, decile 4, men	r16-6223	0.210	1.050	G&S: Specialty (except Psychiatric and Substance Abuse) Hospitals
0.154	1.296	GI. Household: Mixed income, provide food, decile 5, men	r10-5239	0.209	1.046	G&S: Other Financial Investment Activities
	0.183 0.177 0.176 0.175 0.175 0.174 0.171 0.170 0.168 0.167 0.164 0.163 0.163 0.163 0.162 0.161 0.156	0.187 1.296 0.183 1.296 0.177 1.296 0.176 1.296 0.175 1.050 0.174 1.296 0.171 1.296 0.170 1.296 0.168 1.296 0.167 1.052 0.164 1.296 0.163 1.296 0.163 1.296 0.162 1.146 0.156 1.296	and care of clothing and snoes, decile 1, women 1.296 GI. Household: Mixed income, providing care and support, decile 5, men 1.296 GI. Household: Mixed income, provide shopping and household management, decile 2, women 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, women 1.296 GI. Household: Mixed income, provide help to other household: Mixed income, providing care and support, decile 1, men 1.296 GI. Household: Mixed income, provide shopping and household management, decile 1, women 1.296 GI. Household: Mixed income, provide shopping and household management, decile 1, women 1.296 GI. Household: Mixed income, provide help to other household: Mixed income, provide help to other household: Mixed income, provide cleaning and maintenance of housing, decile 5, men 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 2, 1.296 GI. Household: Mixed income, provide shopping and household management, decile 2, men 3.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men 3.296 GI. Household: Mixed income, provide cleaning and household management, decile 2, men 3.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men 3.296 GI. Household: Mixed income, provide food, decile 4, men 3.296 GI. Household: Mixed income, provide food, decile 4, men	0.187 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men r5-3219 0.177 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men r5-3335 0.176 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men r5-3335 0.176 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, r5-3141 0.175 1.050 G&S: Veneer, Plywood, and Engineered Wood Product Manufacturing GI, Household: Mixed income, providing care and support, decile 1, men r16-6221 0.175 1.296 GI. Household: Mixed income, provide shopping and household management, decile 1, r5-3212 0.170 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 5, r5-3279 0.170 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 5, men r5-3169 0.168 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men r5-3169 0.167 1.052 P: Veneer, Plywood, and Engineered Wood Product Manufacturing 0.167 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men r5-3159 0.160 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women r5-3379 0.161 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 2, r5-3379 0.163 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 2, r5-3379 0.163 1.296 GI. Household: Mixed income, provide shopping and household management, decile 2, men r5-3335 0.160 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men r5-3335 0.161 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men r1-1125 0.162 1.146 G&S: Aquaculture r1-1125 0.163 1.296 GI. Household: Mixed income, provide food, decile 4, men r1-1125	1.296 GI. Household: Mixed income, provide shopping and household management, decile 2, women r5-3219 0.308	1.296 GI. Household: Mixed income, provide shopping and maintenance of housing, decile 5, men 1.296 GI. Household: Mixed income, provide shopping and household management, decile 2, women 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men 1.296 GI. Household: Mixed income, provide shopping and household management, decile 3, men 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, men 1.296 GI. Household: Mixed income, provide help to other household management, decile 5, men 1.296 GI. Household: Mixed income, provide 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 5, 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men 1.296 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 2, 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women 1.296 GI. Household: Mixed income, pr

Table 14. Leading Institutional and Economic Sectors - continuation -

					d Economic Sectors – continuation -					
a)			likes exogenous variable				d likes endogenous variable			
	Standardized	Standardized			Standardized	Standardized				
Variable code	forward	backward	Name	Variable code	forward	backward	Name			
	linkages	linkages			linkages	linkages				
r43-H GMI A M	0.154	1.296	GI. Household: Mixed income, provide food, decile 3, men	r5-3366	0.203	1.234	G&S: Ship and Boat Building			
D3			deene 5, men							
r43-H GMI CA M	0.153	1.296	GI. Household: Mixed income, provide shopping and household management, decile 1, men	r7-4869	0.203	1.009	G&S: Other Pipeline Transportation			
D1	0.133	1.270	ping and household management, decile 1, men	17-4007	0.203	1.007	G&S. Other ripeline transportation			
	0.152	1.206	GI Household: Mixed income provide help to	16 6044	0.000	1 112	COC CITIE C C :			
r43-H GMI AoH W	0.153	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 1,	r16-6244	0.202	1.113	G&S: Child Day Care Services			
D1			women							
r43-H GMI LyM M	0.153	1.296	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, men	r5-3372	0.201	1.172	G&S: Office Furniture (including Fixtures) Manufacturing			
D2			and maintenance of flousing, decire 2, men				Manufacturing			
r43-H w s D4	0.152	1.296	GI. Household: Wage and salaries, decile 4	r10-5232	0.200	1.023	G&S: Securities and Commodity Exchanges			
r7-4862	0.151	1.134	G&S: Support Activities for Mining G&S: Administrative activities of social welfare	r2-2131	0.198	1.096	G&S: Support Activities for Mining G&S: Administrative activities of social welfare institutions			
r1-1124	0.150	1.171	institutions	r20-9316	0.198	1.032	G&S. Administrative activities of social welfare institutions			
r43-H GMI LyM M	0.146	1.296		r10-5225	0.198	1.229	G&S: Services related to credit intermediation- exchange			
	0.140	1.290	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, men	110-3223	0.198	1.229	5			
D1			-							
r1-1153	0.145	1.117	G&S: Timber Tract Operations GI. Household: Mixed income, provide food,	r1-1131	0.197	1.245	G&S: Timber Tract Operations			
r43-H GMI A M	0.144	1.296	GI. Household: Mixed income, provide food, decile 2, men	r16-6214	0.196	1.073	G&S: Outpatient Care Centers			
D2			decile 2, men							
1 1107	0.144	1.004	C0C I I : 1 1 1	17 (241	0.106	1 207	C00 I I 1 1 I I I I I I I I I I I I I I I			
r1-1125	0.144	1.084	G&S: Individual and Family Services	r16-6241	0.196	1.207	G&S: Individual and Family Services			
r43-NPIsSH w s	0.142	1.296	GI. NPISSH: Wage and salaries	r16-6239	0.196	1.001	G&S: Other Residential Care Facilities G&S: Continuing Care Retirement Communities and Assisted			
r43-H GMI A M	0.139	1.296	GI. NPISSH: Wage and salaries GI. Household: Mixed income, provide food, decile 1, men	r16-6233	0.195	1.049	G&S: Other Residential Care Facilities G&S: Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly			
D1										
r5-3274	0.138	1.112	G&S: Home Health Care Services	r16-6216	0.195	1.018	G&S: Home Health Care Services			
r16-6244	0.136	1.072	G&S: Home Health Care Services G&S: Regulating and promoting economic development	r20-9313	0.195	1.076	G&S: Home Health Care Services G&S: Regulating and promoting economic development			
							CRC: Intermetional and autretorritorial arganizations			
r43-F	0.136	1.296	GI. Financial companies: effective employer contribution for nonpension	r20-9321	0.194	1.321	G&S: International and extraterritorial organizations and bodies			
CExnonpension			Control for nonpension							
r43-H GMI AoH M	0.135	1.296	GI. Household: Mixed income, provide help to	r44-NFIRW	0.194	1.296	PAI: Net Factorial Incomes of the Rest of the			
D4	0.133	1.290	GI. Household: Mixed income, provide help to other households and volunteer work, decile 4,	144-1111111	0.194	1.290	World			
			men							
r43-H GMI AoH M	0.135	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 5,	r20-9317	0.194	1.116	G&S: Foreign affairs			
D5			men							
r43-H w s D10	0.133	1.296	GI. Household: Wage and salaries, decile 10	r20-9318	0.194	1.115	G&S: National security activities			
r7-4869	0.133	1.063	G&S: Other Pipeline Transportation	r20-9312	0.194	1.069	G&S: General public administration			
r10-5239	0.132	1.126	G&S: Securities and Commodity Exchanges	r20-9314	0.194	1.069	G&S: General public administration G&S: Law enforcement and maintenance of security and public order			
			, ,							
r26-3333	0.131	1.030	P: Commercial and Service Industry Machinery	r20-9311	0.194	1.044	G&S: Legislatures			
r/2 H CMI I C M	0.121	1 206	Manufacturing GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, men	r20-9315	0.104	1.020	G&S: Regulation and promotion of activities to improve and			
r43-H GMI LyC M	0.131	1.296	and care of clothing and shoes, decile 4, men	120-9313	0.194	1.020	G&S: Regulation and promotion of activities to improve and preserve the environment			
D4 r3-2222	0.130	1.183	G&S: Gas supply pipeline to the final consumer							
			11 3 1 1							
r43-H GMI LyC M	0.129	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, men							
D5			and care of clothing and shoes, decire 3, fileli							

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r43-H GMI AoH M D2	0.129	1.296	Gl. Household: Mixed income, provide help to other households and volunteer work, decile 2, men
	0.129	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, men
D3			
r43-H GMI AoH M D3	0.127	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, men
r43-H GMI LyC M D2	0.126	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, men
	0.126	1.296	GI. Financial companies: imputed contribution by employers for nonpension
	0.126	1.296	GI. Household: Wage and salaries, decile 9
	0.123	1.296	GI. Household: Mixed income, provide help to other households and volunteer work, decile 1, men
r43-H GMI LyC M D1	0.123	1.296	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 1, men
r10-5232	0.120	1.215	G&S: Securities and Commodity Exchanges
r20-9317	0.120	1.050	G&S: Foreign affairs
r16-6241	0.119	1.090	G&S: Individual and Family Services
r16-6214	0.119	1.118	G&S: Outpatient Care Centers
r16-6239	0.118	1.022	G&S: Other Residential Care Facilities
r1-1152	0.118	1.065	G&S: Support Activities for Animal Production
r10-5225	0.116	1.102	G&S: Services related to credit intermediation- exchange
r1-1131	0.115	1.039	G&S: Timber Tract Operations
r43-H w s D7	0.115	1.296	GI. Household: Wage and salaries, decile 7
r1-1142	0.115	1.171	G&S: Hunting and Trapping
r20-9318	0.114	1.008	G&S: National security activities
r16-6243	0.114	1.054	G&S: Vocational Rehabilitation Services
r20-9321	0.113	1.213	G&S: International and extraterritorial organiza-
r2-2131	0.091	1.143	tions and bodies G&S: Support Activities for Mining
r43-NPIsSH gos	0.081	1.171	GI: NPIsSH: gross operating surplus
r43-F cfcgos	0.068	1.111	GI: Financial companies: Consumption of fixed capital on gross operating surplus
r43-H cfcgos	-3.040	1.296	GI. Household: Consumption of fixed capital on gross operating surplus
r43-NF cfcgos	-3.625	1.083	GI. Non-financial companies: Consumption of fixed capital on gross operating surplus

Table 15. Independent Institutional and Economic Sectors

Variable code	Standardized forward linkages	e world like Standardized backward	es exogenous variable		b) The	rest of the v	yorld likes endogenous variable
	forward linkages				C4 1 1: 1		
	linkages	backward				Standardized	
		linkages	Name	Variable code	forward linkages	backward linkages	Name
r26-3112	0.9462	0.9710	P: Grain and Oilseed Milling	r34	1.000	0.657	P: Management of Companies and Enterprises
r36	0.8797	0.8798	P: Educational Services	r22-1119	0.955	0.822	P: Other Crop Farming
r26-3261	0.8688	0.8764	P: Plastics Product Manufacturing	r22-1121	0.917	0.967	P: Cattle Ranching and Farming
r10-5241	0.8463	0.8682	G&S: Insurance Carriers	r26-3119	0.889	0.955	P: Other Food Manufacturing
r15	0.7984	0.9764	G&S: Educational Services	r44-NPIsSH	0.842	0.216	PAI: Net Factorial Incomes of the Rest of the World
r5-3222	0.7859	0.7502	G&S: Converted Paper Product Manufacturing	r13	0.840	0.824	G&S: Management of Companies and Enterprises
r26-3111	0.7808	0.9937	P: Animal Food Manufacturing	r22-1112	0.790	0.728	P: Vegetable and Melon Farming
r26-3344	0.7737	0.6694	P: Semiconductor and Other Electronic Component Manufacturing	r22-1113	0.784	0.771	P: Fruit and Tree Nut Farming
r5-3221	0.7654	0.7175	G&S: Pulp. Paper, and Paperboard Mills	r43-F w s	0.731	0.994	GI: Financial companies. Wage and salaries
r46-NF	0.7560	0.8464	UI: Non-financial companies	r23-2123	0.700	0.733	P: Nonmetallic Mineral Mining and Ouarrying
r26-3312	0.7346	0.9987	P: Steel Product Manufacturing from Purchased Steel	r22-1133	0.688	0.736	P: Logging
r5-3312	0.7110	0.9168	G&S: Steel Product Manufacturing from Purchased Steel	r26-3272	0.686	0.978	P: Glass and Glass Product Manufacturing
r5-3311	0.7105	0.8158	G&S: Iron and Steel Mills and Ferroalloy	r43-NPIsSH	0.669	0.994	GI: Non-profit institutions serving household. Wage and salaries
r5-3399	0.6866	0.6107	G&S: Other Miscellaneous Manufacturing	r1-1113	0.668	0.983	G&S: Fruit and Tree Nut Farming P: Water collection, treatment and supply of water
r26-3222	0.6352	0.9614	P: Converted Paper Product Manufacturing	r24-2221	0.667	0.828	P: Water collection, treatment and supply of water
r26-3152	0.5775	0.9237	P: Cut and Sew Apparel Manufacturing	r26-3211	0.661	0.947	P: Sawmills and Wood Preservation
r5-3256	0.5742	0.9578	G&S: Soap, Cleaning Compound, and Toilet Prenaration Manufacturing	r36	0.653	0.801	P: Educational Services
r43-G is	0.5735	0.1132	GI. Government: Import subsidies	r26-3114	0.640	0.911	P: Fruit and Vegetable Preserving and Specialty Food Manufacturing
r26-3221	0.5664	0.9958	P: Pulp, Paper, and Paperboard Mills	r26-3334	0.637	0.992	P: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing
r26-3252	0.5662	0.9389	P: Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	r1-1112	0.633	0.923	G&S: Vegetable and Melon Farming
r5-3152	0.5429	0.8746	G&S: Cut and Sew Apparel Manufacturing	r2-2123	0.619	0.940	G&S: Nonmetallic Mineral Mining and
r24-2221	0.5378	0.9149	P: Water collection, treatment and supply of water	r29	0.596	0.909	P: Postal Service and Warehousing
r5-3253	0.5325	0.7175	G&S: Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	r43-NF CIxnonpensio	0.582	0.994	GI.Non-financial companies: imputed contribution by employers for nonpension
r3-2221	0.5300	0.9522	G&S: Water collection, treatment and supply of water	r43-NF	0.577	0.994	Generation of income. Non-financial companies: effective employer contribution for nonnension
r5-3329	0.5266	0.4775	G&S: Other Fabricated Metal Product Manufacturing	r31-5224	0.559	0.820	P: Securities and Commodity Contracts Intermediation and Brokerage
r40-8141	0.5260	0.9005	P: Private Households	r26-3271	0.556	0.849	P: Clay Product and Refractory Manufacturing
r37-RESTO 621	0.5099	0.9156	P: Private Households P: THE REST OF THE SUB-SECTOR 621: Ambulatory Health Care Services	r31-5242	0.553	0.688	P: Agencies, Brokerages, and Other Insurance Related Activities
r5-3132	0.5005	0.6015	G&S: Fabric Mills	r25	0.553	0.916	P: Construction
r43-H cfcgmi	0.4981	1.2957	G&S: Fabric Mills Gl. Household: Consumption of fixed capital on gross mixed income	r43-H w s D8	0.548	0.994	GI. Household: Wage and salaries, decile 8

r5-3259	0.4804	0.4920	G&S: Other Chemical Product and Preparation Manufacturing	r31-5222	0.542	0.667	P: Nondepository Credit Intermediation
r5-3391	0.4800	0.6897	G&S: Medical Equipment and Supplies Manufacturing	r38	0.538	0.738	P: Arts, Entertainment, and Recreation
r2-2122	0.4763	0.9952	G&S: Metal Ore Mining	r43-H GMI	0.535	0.994	GI. Household: Mixed income, providing care and support, decile 3, women
r26-3399	0.4742	0.9063	P: Other Miscellaneous Manufacturing	r43-H GMI	0.526	0.994	GI. Household: Mixed income, providing care and support, decile 2, women
r43-G es	0.4648	0.1132	GI. Government: Export subsidies	r26-3371	0.520	0.970	P: Household and Institutional Furniture and Kitchen Cabinet Manufacturing
r5-3359	0.4627	0.4800	G&S: Other Electrical Equipment and Component Manufacturing	r3-2221	0.516	0.953	G&S: Water collection, treatment and supply of water
r5-3313	0.4584	0.2511	G&S: Alumina and Aluminum Production and Processing	r37-RESTO 621	0.513	0.785	P: THE REST OF THE SUB-SECTOR 621: Ambulatory Health Care Services
r26-3231	0.4504	0.9614	P: Printing and Related Support Activities	r26-3122	0.510	0.745	P: Tobacco Manufacturing
r5-3231	0.4395	0.8507	G&S: Printing and Related Support Activities	r26-3273	0.510	0.869	P: Cement and Concrete Product Manufacturing
r26-3391	0.4381	0.7763	P: Medical Equipment and Supplies Manufacturing	r1-1133	0.508	0.918	G&S: Logging
r5-3336	0.4242	0.5023	G&S: Engine, Turbine, and Power Transmission Equipment Manufacturing	r40-8141	0.503	0.835	P: Private Households
r26-3352	0.4185	0.8631	P: Household Appliance Manufacturing	r31-5211	0.502	0.623	P: Monetary Authorities-Central Bank
r37-6221	0.3972	0.8242	P: General Medical and Surgical Hospitals	r22-1141	0.494	0.877	P: Fishing
r5-3328	0.3933	0.7394	G&S: Coating, Engraving, Heat Treating, and Allied Activities	r43-H GMI CyA W D4	0.492	0.994	GI. Household: Mixed income, providing care and support, decile 4, women
r5-3352	0.3916	0.8440	G&S: Household Appliance Manufacturing	r15	0.468	0.980	G&S: Educational Services
r5-3262	0.3891	0.5043	G&S: Rubber Product Manufacturing	r37-6221	0.468	0.841	P: General Medical and Surgical Hospitals
r26-3132	0.3853	0.8943	P: Fabric Mills	r43-H GMI CyA W D1	0.467	0.994	GI. Household: Mixed income, providing care and support, decile 1, women
r26-3162	0.3675	0.9492	P: Footwear Manufacturing	r43-H GMI A W D5	0.460	0.994	GI. Household: Mixed income, provide food, decile 5, women
r26-3255	0.3648	0.9496	P: Paint, Coating, and Adhesive Manufacturing	r22-1114	0.457	0.784	P: Greenhouse, Nursery, and Floriculture Production
r5-3255	0.3514	0.8082	G&S: Paint, Coating, and Adhesive Manufacturing	r43-NPIsSH gos	0.454	0.410	GI. NPIsSH: gross operating surplus
r2-2123	0.3471	0.9841	G&S: Nonmetallic Mineral Mining and Quarrying	r43-H GMI CyA W D5	0.451	0.994	GI. Household: Mixed income, providing care and support, decile 5, women

Table 16. Independent Institutional and Economic Sectors – continuation –

			Table 16. Independent Institutional	and Economi			
a) 7			s exogenous variable				orld likes endogenous variable
	Standardized	Standardized			Standardized	Standardized	
Variable code	forward	backward	Name	Variable code	forward	backward	Name
	linkages	linkages			linkages	linkages	
r26-3329	0.3312	0.8987	P: Other Fabricated Metal Product Manufacturing	r26-3219	0.447	0.975	P: Other Wood Product Manufacturing
r5-3162	0.3288	0.8466	G&S: Footwear Manufacturing	r22-1132	0.445	0.576	P: Forest Nurseries and Gathering of Forest Products
r5-3272	0.3279	0.9065	G&S: Glass and Glass Product Manufacturing	r43-H GMI A W D4	0.442	0.994	GI. Household: Mixed income, provide food, decile 4, women
r16-6221	0.3241	0.9214	G&S: General Medical and Surgical Hospitals	r22-1153	0.436	0.941	P: Support Activities for Forestry
r26-3359	0.3200	0.9172	P: Other Electrical Equipment and Component	r31-5231	0.433	0.793	P: Brokerage, exchange and exchange centers
r5-3314	0.3132	0.8981	G&S: Nonferrous Metal (except Aluminum) Production and Processing	r22-1124	0.424	0.727	P: Sheep and Goat Farming
r5-3361	0.3126	0.8662	G&S: Motor Vehicle Manufacturing	r43-H GMI A	0.423	0.994	GI. Household: Mixed income, provide food, decile 3, women
r26-3324	0.3024	0.9023	P: Boiler, Tank, and Shipping Container Manufacturing	r43-H GMI A W D2	0.420	0.994	GI. Household: Mixed income, provide food, decile 2, women
r26-3259	0.3008	0.9546	P: Other Chemical Product and Preparation Manufacturing	r26-3274	0.410	0.993	P: Lime and Gypsum Product Manufacturing
r26-3131	0.2908	0.9829	P: Fiber, Yarn, and Thread Mills	r43-H GMI A W D1	0.406	0.994	GI. Household: Mixed income, provide food, decile 1, women
r5-3131	0.2876	0.7157	G&S: Fiber, Yarn, and Thread Mills	r43-H w s D6	0.401	0.994	GI. Household: Wage and salaries, decile 6
r5-3341	0.2823	0.3878	G&S: Computer and Peripheral Equipment	r37-6223	0.398	0.882	P: Specialty (except Psychiatric and Substance Abuse) Hospitals
r5-3133	0.2822	0.3293	G&S: Textile and Fabric Finishing and Fabric Coating Mills	r26-3141	0.396	0.954	P: Textile Furnishings Mills
r31-5223	0.2762	0.8303	P: Activities Related to Credit Intermediation	r24-2222	0.395	0.808	P: Gas supply pipeline to the final consumer
r5-3327	0.2686	0.4483	G&S: Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	r23-2121	0.395	0.955	P: Coal Mining
r26-3262	0.2664	0.8992	P: Rubber Product Manufacturing	r31-5232	0.393	0.833	P: Securities and Commodity Exchanges
r26-3379	0.2624	0.8763	P: Other Furniture Related Product Manufacturing	r28-4862	0.391	0.834	P: Pipeline Transportation of Natural Gas
r37-6223	0.2617	0.8348	P: Specialty (except Psychiatric and Substance Abuse) Hospitals	r23-2131	0.391	0.907	P: Support Activities for Mining
r41-9312	0.2616	0.9144	P: General public administration	r31-5239	0.390	0.904	P: Other Financial Investment Activities
r26-3149	0.2605	0.9378	P: Other Textile Product Mills	r37-6244	0.390	0.950	P: Child Day Care Services
r26-3151	0.2595	0.9192	P: Apparel Knitting Mills	r35-5621	0.390	0.811	P: Waste Collection
r2-2121	0.2581	0.6121	G&S: Coal Mining	r41-9318	0.387	0.923	P: National security activities
r5-3322	0.2568	0.6127	G&S: Cutlery and Handtool Manufacturing	r28-4869	0.387	0.856	P: Other Pipeline Transportation
r5-3161	0.2566	0.7307	G&S: Leather and Hide Tanning and Finishing	r41-9316	0.387	0.860	P: Other Pineline Transportation P: Administrative activities of social welfare institutions
r26-3323	0.2545	0.9923	P: Architectural and Structural Metals Manufacturing	r22-1152	0.386	0.798	P: Support Activities for Animal Production
r26-3346	0.2544	0.7408	P: Manufacturing and Reproducing Magnetic and Optical Media	r22-1125	0.385	0.930	P: Aquaculture

r5-3371	0.2542	0.9004	G&S: Household and Institutional Furniture and	r22-1142	0.385	0.810	P: Hunting and Trapping
r26-3315	0.2501	0.9769	P: Foundries	r41-9311	0.383	0.872	P: Legislatures
r35-5621	0.2474	0.9631	P: Waste Collection	r37-6214	0.382	0.917	P: Outpatient Care Centers
r37-6244	0.2469	0.9902	P: Child Day Care Services	r41-9314	0.381	0.907	P: Law enforcement and maintenance of security and public order
r26-3141	0.2458	0.9905	P: Textile Furnishings Mills	r41-9317	0.380	0.960	P. Foreign affairs
r26-3336	0.2453	0.8737	P: Engine, Turbine, and Power Transmission Equipment Manufacturing	r10-5242	0.380	0.845	G&S: Agencies, Brokerages, and Other Insurance Related Activities
r26-3322	0.2446	0.9871	P: Cutlery and Handtool Manufacturing	r10-5224	0.380	0.981	G&S: Securities and Commodity Contracts Intermediation and Brokerage
r41-9313	0.2445	0.9331	P: Regulating and promoting economic development	r41-9312	0.379	0.917	P: General public administration
r28-4869	0.2398	0.9976	P: Other Pipeline Transportation	r10-5222	0.379	0.807	G&S: Nondepository Credit Intermediation
r26-3342	0.2391	0.6248	P: Communications Equipment Manufacturing	r41-9313	0.378	0.932	G&S: Nondenository Credit Intermediation P: Regulating and promoting economic development
r1-1151	0.2387	0.5702	G&S: Support Activities for Crop Production	r37-6243	0.377	0.773	P: Vocational Rehabilitation Services
r26-3343	0.2362	0.5884	P: Audio and Video Equipment Manufacturing	r41-9315	0.376	0.880	P: Regulation and promotion of activities to improve and preserve the environment
r26-3341	0.2353	0.6877	P: Computer and Peripheral Equipment Manufacturing	r37-6222	0.373	0.851	P: Psychiatric and Substance Abuse Hospitals
r5-3324	0.2328	0.8711	G&S: Boiler, Tank, and Shipping Container Manufacturing	r37-6216	0.372	0.900	P: Home Health Care Services
r41-9316	0.2324	0.8446	P: Administrative activities of social welfare institutions	r37-6239	0.372	0.886	P: Other Residential Care Facilities
r10-5223	0.2323	0.7366	G&S: Activities Related to Credit Intermediation	r37-6242	0.372	0.833	P: Community Food and Housing, and Emergency and Other Relief Services
r5-3346	0.2290	0.5761	G&S: Manufacturing and Reproducing Magnetic and Optical Media	r31-5223	0.371	0.809	P: Activities Related to Credit Intermediation
r26-3321	0.2288	0.9625	P: Forging and Stamping	r37-6231	0.371	0.880	P: Nursing Care Facilities (Skilled Nursing Facilities)
r41-9317	0.2285	0.9760	P: Foreign affairs	r37-6232	0.370	0.786	P: Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities
r22-1131	0.2268	0.9397	P: Timber Tract Operations	r37-6233	0.370	0.946	P: Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly
r22-1152	0.2259	0.9987	P: Support Activities for Animal Production	r22-1151	0.364	0.810	P: Support Activities for Crop Production
r5-3342	0.2251	0.3861	G&S: Communications Equipment Manufacturing	r5-3122	0.361	0.964	G&S: Tobacco Manufacturing
r5-3326	0.2250	0.7854	G&S: Spring and Wire Product Manufacturing	r17	0.359	0.902	G&S: Arts, Entertainment, and Recreation
r41-9315	0.2219	0.8974	P: Regulation and promotion of activities to improve and preserve the environment	r26-3279	0.358	0.935	P: Other Nonmetallic Mineral Product Manufacturing

Table 17. Independent Institutional and Economic Sectors - continuation -

а	The rest o	f the world	likes exogenous variable				d likes endogenous variable		
	Standardized	Standardized	inter chegeneus variacie	Standardized Standardized					
Variable code	forward	backward	Name	Variable code	forward	backward	Name		
variable code	linkages	linkages	TVanic	variable code	linkages	linkages	Name		
r26-3351	0.2218	0.8404	P: Electric Lighting Equipment Manufacturing	r43-H w s D3	0.358	0.994	GI Household: Wage and salaries decile 3		
r37-6239	0.2212	0.9983	P: Other Residential Care Facilities	r43-H GMI LyM		0.994	GI. Household: Wage and salaries, decile 3 GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, women		
137-0237	0.2212	0.7703	1. Other Residential Care I defittles	W D5	0.545	0.774	maintenance of housing, decile's, women		
r37-6243	0.2205	0.9958	P: Vocational Rehabilitation Services	r43-H GMI LyM	0.343	0.994	GI Household: Mixed income, provide cleaning and		
157-0245	0.2203	0.9938	P. Vocational Renabilitation Services		0.343	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, women		
				W D4			-		
r41-9311	0.2205	0.8837	P: Legislatures	r22-1129	0.337	0.929	P: Other Animal Production		
r37-6216	0.2184	0.8242	P: Home Health Care Services	r43-H GMI LyM W D2	0.330	0.994	P: Other Animal Production GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, women		
				.,					
r37-6242	0.2184	0.9548	P: Community Food and Housing, and Emergency and Other Relief Services	r43-H GMI LyM	0.328	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, women		
			Emergency and Other Relief Services	W D3			maintenance of nousing, decire 3, women		
r37-6222	0.2183	0.9157	P: Psychiatric and Substance Abuse Hospitals	r16-RESTO 621	0.325	0.965	G&S: THE REST OF THE SUB-SECTOR 621: Ambulatory Health Care Services		
157 0222	0.2100	0.5107	1.15) chiatra and successive 110 asc 110 sprain	110 102010 021	0.520	0.500	Ambulatory Health Care Services		
r37-6233	0.2178	0.9362	P. Continuing Care Retirement Communities	r43-H GMI LyM	0.322	0.994	GI Household: Mixed income provide cleaning and		
137-0233	0.21/8	0.9302	P: Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly		0.322	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, women		
27 (222	0.01.00	0.5050		W D1	0.221	0.120			
r37-6232	0.2169	0.7870	P: Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse	r46-NPIsSH	0.321	-0.139	UI: NPIsSH		
			Facilities						
r37-6231	0.2169	0.9295	P: Nursing Care Facilities (Skilled Nursing	r10-5211	0.315	0.803	G&S: Monetary Authorities-Central Bank		
			Facilities)				, and the second		
r5-3149	0.2161	0.7516	G&S: Other Textile Product Mills	r26-3159	0.314	0.989	P: Apparel Accessories and Other Apparel		
							Manufacturing		
	0.0105	0.5045	000 4 175 101 151	12 77 63 67 61	0.005	0.004	GI Household: Mixed income provide shopping and		
r5-3151	0.2127	0.7345	G&S: Apparel Knitting Mills	r43-H GMI CA	0.295	0.994	GI. Household: Mixed income, provide shopping and household management, decile 4, women		
				W D4			, , , , , , , , , , , , , , , , , , , ,		
r26-3361	0.2063	0.9112	P: Motor Vehicle Manufacturing	r1-1114	0.295	0.996	G&S: Greenhouse, Nursery, and Floriculture		
			C C				Production GI. Household: Mixed income, provide shopping and household management, decile 5, women		
r26-3353	0.2049	0.8697	P: Electrical Equipment Manufacturing	r43-H GMI CA	0.295	0.994	household management decile 5 women		
				W D5					
r41-9318	0.2046	0.8962	P: National security activities	r43-H GMI LyM	0.291	0.994	GI. Household: Mixed income, providing care and		
,510	0.20.0	0.0502	1. Therefore seeding west thes	W D4	0.271	0.55	support, decile 4, men		
26.2227	0.2045	0.0702	P: Machine Shons: Turned Product: and Screw		0.200	0.004	GI Household: Mixed income provide cleaning and care of		
r26-3327	0.2045	0.9792	P: Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	r43-H GMI LyC	0.290	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, women		
			-	W D4					
r26-3366	0.1984	0.9042	P: Ship and Boat Building	r43-H GMI LyM	0.289	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, women		
				W D5					
r26-3313	0.1976	0.7627	P: Alumina and Aluminum Production and	r43-H GMI CA	0.285	0.994	GI. Household: Mixed income, provide shopping and household management, decile 3, women		
			Processing	W D3			nousehold management, decile 3, women		
r26-3325	0.1941	0.8197	P: Hardware Manufacturing	r43-H GMI CyA	0.285	0.994	GI. Household: Mixed income, providing care and		
120-3323	0.1941	0.8197	r. manuware Manufacturing		0.283	0.994	support, decile 3, men		
-26 2272	0.1020	0.0002	P: Office Furniture (including Fixtures)	M D3	0.207	0.004			
r26-3372	0.1920	0.9983	P: Office Furniture (including Fixtures) Manufacturing	r43-H GMI CyA	0.285	0.994	GI. Household: Mixed income, providing care and support, decile 2, men		
				M D2					
r26-3364	0.1886	0.8480	P: Aerospace Product and Parts Manufacturing	r1-1132	0.284	0.813	G&S: Forest Nurseries and Gathering of Forest		
120 3301							Products		

r26-3159	0.1881	0.9530	P: Apparel Accessories and Other Apparel Manufacturing	r43-RW	0.284	0.994	GI. RW: Wage and salaries
r26-3362	0.1871	0.9380	P: Motor Vehicle Body and Trailer Manufacturing	r43-H GMI LyC W D3	0.282	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, women
r23-2122	0.1871	0.9499	P: Metal Ore Mining	r43-H GMI LyC W D2	0.280	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, women
r5-3325	0.1869	0.4342	G&S: Hardware Manufacturing	r43-H GMI CA M D4	0.277	0.994	GI. Household: Mixed income, provide shopping and household management, decile 4, men
r26-3133	0.1842	0.8448	P: Textile and Fabric Finishing and Fabric Coating Mills	r43-H GMI CA M D5	0.276	0.994	GI. Household: Mixed income, provide shopping and household management, decile 5, men
r41-9314	0.1836	0.8866	P: Law enforcement and maintenance of security and public order	r43-H GMI LyC W D1	0.275	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 1, women
r5-3315	0.1808	0.8194	G&S: Foundries	r43-H GMI CyA M D5	0.275	0.994	GI. Household: Mixed income, providing care and support, decile 5, men
r5-3364	0.1806	0.5144	G&S: Aerospace Product and Parts Manufacturing	r43-H GMI CA W D2	0.271	0.994	GI. Household: Mixed income, provide shopping and household management, decile 2, women
r5-3141	0.1804	0.7954	G&S: Textile Furnishings Mills	r43-H GMI CA M D3	0.264	0.994	GI. Household: Mixed income, provide shopping and household management, decile 3, men
r5-3117	0.1772	0.7796	G&S: Seafood Product Preparation and Packaging	r26-3332	0.263	0.943	P: Industrial Machinery Manufacturing
r5-3351	0.1737	0.6407	G&S: Electric Lighting Equipment Manufacturing	r43-H GMI AoH W D4	0.263	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, women
r5-3219	0.1735	0.9933	G&S: Other Wood Product Manufacturing	r43-H GMI CyA M D1	0.262	0.994	GI. Household: Mixed income, providing care and support, decile 1, men
r26-3331	0.1725	0.8954	P: Agriculture, Construction, and Mining Machinery Manufacturing	r43-H GMI CA W D1	0.261	0.994	GI. Household: Mixed income, provide shopping and household management, decile 1, women
r5-3169	0.1704	0.5930	G&S: Other Leather and Allied Product Manufacturing	r43-H w s D5	0.261	0.994	GI. Household: Wage and salaries, decile 5
r16-6223	0.1693	0.9240	G&S: Specialty (except Psychiatric and Substance Abuse) Hospitals	r43-H GMI AoH W D5	0.257	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 5, women
r26-3365	0.1653	0.9943	P: Railroad Rolling Stock Manufacturing	r43-H GMI LyM M D5	0.254	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men
r5-3353	0.1628	0.5104	G&S: Electrical Equipment Manufacturing	r43-H GMI LyM M D4	0.253	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men
r5-3321	0.1624	0.7809	G&S: Forging and Stamping	r10-5231	0.251	0.950	G&S. Brokerage, exchange and exchange centers
r5-3379	0.1599	0.9477	G&S: Other Furniture Related Product Manufacturing	r43-H GMI AoH W D3	0.250	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, women

Table 18. Independent Institutional and Economic Sectors – continuation –

			likes exogenous variable	b) The rest of the world likes endogenous variable					
	Standardized	Standardized			Standardized	Standardized			
Variable code	forward linkages	backward linkages	Name	Variable code	forward linkages	backward linkages	Name		
r5-3369	0.1573	0.3067	G&S: Other Transportation Equipment Manufacturing	r43-H GMI AoH W D2	0.249	0.994	GI. Household: Mixed income, provide help to othe households and volunteer work, decile 2, women		
r5-3212	0.1566	0.4723	G&S: Veneer, Plywood, and Engineered Wood Product Manufacturing	r43-H GMI CA M D2	0.248	0.994	GI. Household: Mixed income, provide shopping an household management, decile 2, men		
r5-3333	0.1552	0.1715	G&S: Commercial and Service Industry Ma- chinery Manufacturing	r43-H GMI LyM M D3	0.246	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men		
r20-9316	0.1543	0.9358	G&S: Administrative activities of social welfare institutions	r43-H GMI A M D4	0.241	0.994	GI. Household: Mixed income, provide food, decile 4, men		
r14-5621	0.1529	0.9477	G&S: Waste Collection	r43-H GMI A M D5	0.239	0.994	GI. Household: Mixed income, provide food, decile 5, men		
r26-3369	0.1509	0.8570	P: Other Transportation Equipment	r43-H w s D4	0.239	0.994	GI. Household: Wage and salaries, decile 4		
r5-3323	0.1507	0.9242	Manufacturing G&S: Architectural and Structural Metals Manufacturing	r43-H GMI A M D3	0.238	0.994	GI. Household: Mixed income, provide food, decile 3, men		
r26-3345	0.1499	0.8369	P: Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	r43-H GMI CA M D1	0.238	0.994	GI. Household: Mixed income, provide shopping and household management, decile 1, men		
r5-3279	0.1488	0.7529	G&S: Other Nonmetallic Mineral Product Manufacturing	r43-H GMI AoH W D1	0.238	0.994	GI. Household: Mixed income, provide help to othe households and volunteer work, decile 1, women		
r5-3159	0.1479	0.5956	G&S: Apparel Accessories and Other Apparel Manufacturing	r43-H GMI LyM M D2	0.238	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, men		
r20-9312	0.1467	0.9864	G&S: General public administration	r1-1124	0.238	0.916	G&S. Sheep and Goat Farming		
r20-9314	0.1397	0.9690	G&S: Law enforcement and maintenance of security and public order	r10-5223	0.236	0.801	G&S. Activities Related to Credit Intermediation		
r26-3339	0.1391	0.9115	P: Other General Purpose Machinery Manufacturing	r26-3333	0.232	0.871	P. Commercial and Service Industry Machinery Manufacturing		
r5-3343	0.1388	0.4534	G&S: Audio and Video Equipment Manufacturing	r43-H GMI LyM M D1	0.230	0.994	GI. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, men		
r5-3331	0.1374	0.6024	G&S: Agriculture, Construction, and Mining Machinery Manufacturing	r43-H GMI A M D2	0.228	0.994	GI. Household: Mixed income, provide food, decile 2, men		
r26-3332	0.1365	0.9616	G&S: Industrial Machinery Manufacturing	r43-G gos	0.227	0.194	GI. Government: Gross operating surplus		
r1-1129	0.1320	0.8202	G&S: Other Animal Production	r14-5621	0.226	0.896	G&S. Waste Collection		
r20-9313	0.1306	0.9961	G&S: Regulating and promoting economic development	r43- F CExnonpension	0.223	0.994	GI. Financial companies: effective employer contribution for nonpension		
r20-9311	0.1191	0.9755	G&S: Legislatures	r43-H GMI A M D1	0.222	0.994	GI. Household: Mixed income, provide food, decile 1, men		

r26-3335	0.1159	0.8735	P: Metalworking Machinery Manufacturing	r43-H GMI AoH M D4	0.218	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 4, men
r16-6233	0.1158	0.9588	G&S: Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly	r43-H GMI AoH M D5	0.217	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 5, men
r5-3366 r20-9315	0.1156 0.1152	0.7819 0.9564	G&S: Ship and Boat Building G&S: Regulation and promotion of activities to improve and preserve the environment	r43-H w s D10 r43-H GMI LyC M D4	0.217 0.213	0.994 0.994	GI. Household: Wage and salaries, decile 10 GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, men
r16-6216	0.1150	0.8680	G&S: Home Health Care Services	r43-F CIxnonpension	0.212	0.994	GI. Financial companies: imputed contribution by employers for nonpension
r16-6242	0.1149	0.9862	G&S: Community Food and Housing, and Emergency and Other Relief Services	r43-H GMI LyC M D5	0.211	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, men
r16-6222	0.1140	0.9569	G&S: Psychiatric and Substance Abuse Hospitals	r43-H GMI AoH M D2	0.211	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 2, men
r16-6232	0.1138	0.8282	G&S: Residential Intellectual and Developmental Disability Mental Health, and Substance Abuse Facilities	r43-H GMI LyC M D3	0.211	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, men
r16-6231	0.1136	0.9613	G&S: Nursing Care Facilities (Skilled Nursing Facilities)	r43-H GMI AoH M D3	0.209	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 3, men
r5-3332	0.1126	0.2263	G&S: Industrial Machinery Manufacturing	r43-H w s D9	0.208	0.994	GI. Household: Wage and salaries, decile 9
r5-3362	0.0972	0.7869	G&S: Motor Vehicle Body and Trailer	r7-4862	0.208	0.986	G&S. Pipeline Transportation of Natural Gas
r5-3339	0.0949	0.3506	G&S: Other General Purpose Machinery Manufacturing	r43-H GMI LyC M D2	0.208	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, men
r43-G cfcgos	0.0923	0.1132	GI. Government: Consumption of fixed capital on gross operating surplus	r43-H GMI AoH M D1	0.205	0.994	GI. Household: Mixed income, provide help to other households and volunteer work, decile 1, men
r5-3372	0.0920	0.9057	G&S: Office Furniture (including Fixtures) Manufacturing	r43-H GMI LyC M D1	0.205	0.994	GI. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 1, men
r5-3365	0.0919	0.7260	G&S: Railroad Rolling Stock Manufacturing	r3-2222	0.204	0.988	G&S. Gas supply pipeline to the final consumer
r26-3334	0.0848	0.9648	P: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	r1-1152	0.202	0.954	G&S. Support Activities for Animal Production
r5-3335	0.0724	0.1722	G&S: Metalworking Machinery Manufacturing	r43-H w s D7	0.196	0.994	Generation of income. Household: Wage and salaries, decile 7
r46-NPIsSH	0.0716	0.7680	UI: NPIsSH	r1-1142	0.195	0.988	G&S. Hunting and Trapping
r5-3345	0.0587	0.3979	G&S: Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	r16-6242	0.194	0.956	G&S. Community Food and Housing, and Emergency and Other Relief Services
r45-NPIsSH	0.0052	0.8812	DI: NPIsSH	r43-NPIsSH CIxnonpension	0.194	0.410	GI. NPIsSH: imputed contribution by employers for nonpension
r5-3334	0.0005	0.7263	G&S: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment	r16-6222	0.194	0.978	G&S. Psychiatric and Substance Abuse Hospitals
r43-G gos	-0.6513	0.1132	GI. Government: Gross operating surplus	r16-6232	0.194	0.908	G&S. Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities

Table 19. Independent Institutional and Economic Sectors - continuation -

а	1) The rest	of the worl	d likes exogenous variable	b)	b) The rest of the world likes endogenous variable				
Variable code	Standardize d forward linkages	Standardized backward linkages	Name	Variable code	Standardized forward linkages	Standardized backward linkages	Name		
				r16-6231	0.194	0.997	G&S. Nursing Care Facilities (Skilled Nursing Facilities)		
				r16-6243	0.194	0.924	G&S. Vocational Rehabilitation Services		
				r43-H cfcgmi	0.194	0.994	Gl. Household: Consumption of fixed capital on gross mixed income		
				r43-G is	0.194	0.194	GI. Government: Import subsidies		
				r43-G es	0.194	0.194	GI. Government: Export subsidies		
				r47-RW	0.194	0.194	C. The rest of the world (RW)		
				r49-pay RM	0.194	0.194	F. Other accounts receivable / payable. RW		
				r43-G cfcgos	0.161	0.194	GI. Government: Consumption of fixed capital on gross operating surplus		
				r45-RW	0.150	0.210	DI: NFIRM		
				r43-F cfcgos	0.142	0.837	GI. Financial companies: Consumption of fixed capital on gross operating surplus		
				r45-NPIsSH	0.126	0.055	DI: NPIsSH		
				r46-NF	-1.329	-0.238	UI: Non-financial companies		
				r45-NF r43-H efegos	-1.764 -3.439	-0.044 0.994	DI: Non-financial companies GI. Household: Consumption of fixed capital on gross operating surplus		
				r43-NF cfcgos	-4.113	0.180	Gl. Non-financial companies: Consumption of fixed capital on gross operating surplus		

Table 20. Variable Code. Social Accounting Matrix

Variable code	Variable code	NAICS	Name
Goods &	Production		
Services Account (G&S)	Account (P)		
r1-1111	r22-1111	1111	Oilseed and Grain Farming
r1-1112	r22-1112	1112	Vegetable and Melon Farming
r1-1113	r22-1113	1113	Fruit and Tree Nut Farming
r1-1114	r22-1114	1114	Greenhouse, Nursery, and Floriculture Production
r1-1119	r22-1119	1119	Other Crop Farming
r1-1121	r22-1121	1121	Cattle Ranching and Farming
r1-1122	r22-1122	1122	Hog and Pig Farming
r1-1123	r22-1123	1123	Poultry and Egg Production
r1-1124	r22-1124	1124	Sheep and Goat Farming
r1-1125	r22-1125	1125	Aquaculture
r1-1129	r22-1129	1129	Other Animal Production
r1-1131	r22-1131	1131	Timber Tract Operations

r1-1132	r22-1132	1132	Forest Nurseries and Gathering of Forest Products
r1-1133	r22-1133	1133	Logging
r1-1141	r22-1141	1141	Fishing
r1-1142	r22-1142	1142	Hunting and Trapping
r1-1151	r22-1151	1151	Support Activities for Crop Production
r1-1152	r22-1152	1152	Support Activities for Animal Production
r1-1153	r22-1153	1153	Support Activities for Forestry
r2-2111	r23-2111	2111	Oil and Gas Extraction
r2-2121	r23-2121	2121	Coal Mining
r2-2122	r23-2122	2122	Metal Ore Mining
r2-2123	r23-2123	2123	Nonmetallic Mineral Mining and Ouarrying
r2-2131	r23-2131	2131	Support Activities for Mining
r3-2211	r24-2211	2211	Electric Power Generation. Transmission and Distribution
r3-2221	r24-2221	2221	Water collection, treatment and supply of water
r3-2222	r24-2222	2222	Gas supply pipeline to the final consumer
r4	r25	23	Construction
r5-3111	r26-3111	3111	Animal Food Manufacturing
r5-3112	r26-3112	3112	Grain and Oilseed Milling
r5-3113	r26-3113	3113	Sugar and Confectionery Product Manufacturing
r5-3114	r26-3114	3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing
r5-3115	r26-3115	3115	Dairy Product Manufacturing
r5-3116	r26-3116	3116	Animal Slaughtering and Processing
r5-3117	r26-3117	3117	Seafood Product Preparation and Packaging
r5-3118	r26-3118	3118	Bakeries and Tortilla Manufacturing
r5-3119	r26-3119	3119	Other Food Manufacturing
r5-3121	r26-3121	3121	Beverage Manufacturing
r5-3122	r26-3122	3122	Tobacco Manufacturing

Table 21. Variable Code. Social Accounting Matrix - continuation -

Variable code	Variable code	NAICS	Name
Goods &	Production		
Services Account (G&S)	Account (P)		
r5-3131	r26-3131	3131	Fiber, Yarn, and Thread Mills
r5-3132	r26-3132	3132	Fabric Mills
r5-3133	r26-3133	3133	Textile and Fabric Finishing and Fabric Coating Mills
r5-3141	r26-3141	3141	Textile Furnishings Mills
r5-3149	r26-3149	3149	Other Textile Product Mills
r5-3151	r26-3151	3151	Apparel Knitting Mills
r5-3152	r26-3152	3152	Cut and Sew Apparel Manufacturing
r5-3159	r26-3159	3159	Apparel Accessories and Other Apparel Manufacturing
r5-3161	r26-3161	3161	Leather and Hide Tanning and Finishing
r5-3162	r26-3162	3162	Footwear Manufacturing
r5-3169	r26-3169	3169	Other Leather and Allied Product Manufacturing
r5-3211	r26-3211	3211	Sawmills and Wood Preservation
r5-3212	r26-3212	3212	Veneer, Plywood, and Engineered Wood Product Manufacturing
r5-3219	r26-3219	3219	Other Wood Product Manufacturing
r5-3221	r26-3221	3221	Pulp, Paper, and Paperboard Mills
r5-3222	r26-3222	3222	Converted Paper Product Manufacturing
r5-3231	r26-3231	3231	Printing and Related Support Activities
r5-3241	r26-3241	3241	Petroleum and Coal Products Manufacturing
r5-3251	r26-3251	3251	Basic Chemical Manufacturing

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15-2323 126-2323 2323 Resin. Synthesis Rubber and Artificial Synthesis Elbers and Filaments Manufacturine				
15-2253 22-5235 22-52 22-52 22-52 Pesticide, Fertilizer, and Other Aericultural Chemical Manufacturine	r5-3252	r26-3252	3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing
15-2354			3253	
15-2325 726-2325 3255 Paint Contine and Adhesive Manufacturing 15-2326 726-2326 3256				
15-3256 226-3256 3256 3250 3250 Other Chemical Product and Precautation Manufacturing 15-3261 126-3261 3261 Physics Product Manufacturine 15-3271 126-3271 3272 3272 3272 3272 3272 3272 3273 3273 3273 3273 3274 327				
15-3259 126-3259 3259 Other Chemical Product and Presentation Manufacturine 17-3262 126-3262 3262 Rubber Product Manufacturine 17-3262 126-3262 3262 Rubber Product Manufacturine 17-3262 126-3262 3262 Rubber Product Manufacturine 17-3262 126-3273 3273 126-3273 3273 126-3273 3273 126-3273 3273 126-3273 3274 126-3274 3279 126-3279 3279 126-3279 3279 126-3279 3279 126-3279 3279 Other Normetallic Mineral Product Manufacturine 17-3311 126-3311 3311 1311 150 and Steel Milking and Ferroulack Manufacturine 17-3311 126-3313 3313 Steel Product Manufacturine 17-3311 126-3313 3313 Steel Product Manufacturine 17-3311 126-3313 3314 Steel Product Manufacturine 17-3311 126-3313 3315 Steel Product Manufacturine from Purchased Steel 126-3313 3315 Foundries 126-3314 3314 Steel Product Manufacturine 17-3311 126-3313 3315 Foundries 126-3314 3315 Foundries 126-3314 3315 Foundries 126-3315 3315 Foundries 126-3316 3316 Foundries 126-		r26-3256		Soan Cleaning Compound and Toilet Preparation Manufacturing
15-326 26-326 326 Plastics Product Manufacturine		r26-3259		Other Chemical Product and Preparation Manufacturing
15-3262 26-3362 3262 Rubber Product Manufacturine				
15-3272				
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15-3273				
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17-5279 176-5279 3279 3279 Other Nonmetallic Mineral Product Manufacturine 17-53311 176-3311 3311 3311 170-1312 3312 3312 3313 3313 3313 3313 3313 3313 3313 3414 3				
15-3311 726-3312 3311 10n and Steel Milk and Ferronllow Manufacturine 15-3312 726-3313 3313 3411 10n and Steel Milk and Ferronllow Manufacturine from Purchased Steel 15-3313 726-3313 3313 Alumina and Aluminum Production and Processine 15-3314 726-3314 3314 Nonferrous Mental (excent Aluminum) Production and Processine 15-3315 726-3315 726-3315 726-3315 726-3316 726-3316 726-3316 726-3317 726-3317 726-3317 726-3318				
15-3312 726-3312 3312 Alumina and Aluminum Production and Processine 15-3314 726-3315 3315 Alumina and Aluminum Production and Processine 15-3315 726-3315 3315 Foundries 15-3316 726-3316 3317 Foundries 15-3321 726-3322 3322 Cuttery and Handstool Manufacturing 15-3323 726-3323 3323 Architectural and Structural Metals Manufacturing 15-3323 726-3323 3323 Architectural and Structural Metals Manufacturing 15-3323 726-3323 3324 Architectural and Structural Metals Manufacturing 15-3326 726-3328 3328 Architectural and Structural Metals Manufacturing 15-3326 726-3327 3327 Architectural and Structural Metals Manufacturing 15-3326 726-3327 3327 Machine Shows Manufacturing 75-3326 726-3327 3327 Machine Shows Manufacturing 75-3328 726-3328 3328 Contine Enterwine Heat Treating and Allied Activities 75-3328 726-3332 3332 Contine Enterwine Heat Treating and Allied Activities 75-3333 726-3332 3333 Architectural Metals Manufacturing 75-3333 726-3332 3333 Architectural Metals Manufacturing 75-3333 726-3333 3333 Architectural Metals Manufacturing 75-3333 726-3334 3334 Architectural Metals Manufacturing 75-3334 726-3334 3334 Architectural Metals Manufacturing 75-3335 726-3334 3334 Architectural Metals Manufacturing 75-3335 726-3334 3334 Architectural Metals Manufacturing 75-3335 726-3334 3335 Architectural Metals Manufacturing 75-3335 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 3336 726-3336 726-3336 3336 726-3336 3336 726-3336 3336 726-333				Unit Nonnicianic William Troduct Wanufacturing
15-3313	r5 2212	r26 2212		Total and Steel Willis and Petroanov Wandinacturing Steel Peraduct Manufacturing from Durahaged Steel
15-3314 226-3315 3315 Foundries 15-3312 226-3315 3315 Foundries 15-3321 226-3312 3322 Toring and Stamping 15-3322 226-3322 3322 Cutlery and Handtool Manufacturing 15-3323 726-3323 3323 Architectural and Structural Metals Manufacturing 15-3324 726-3324 3324 Architectural and Structural Metals Manufacturing 15-3325 726-3326 3325 Ballet Tank, and Shinping Container Manufacturing 15-3326 726-3327 3325 Sorring and Wire Product Manufacturing 15-3327 726-3327 3326 Sorring and Wire Product Manufacturing 15-3328 726-3329 3329 Cottine Engraving. Heat Treating, and Allied Activities 15-3329 726-3329 3329 Other Infracted Metal Product Manufacturing 15-3331 726-3332 726-3333 3333 Industrial Machinery Manufacturing 15-3333 726-3333 3333 Industrial Machinery Manufacturing 15-3333 726-3334 3334 Ventilation. Heating, Air-Conditioning, and Commercial Refriceration Equipment Manufacturing 15-3335 726-3336 3336 Commercial and Service Industry Machinery Manufacturing 15-3339 726-3336 3336 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3339 726-3336 3339 Other General Purpose Machinery Manufacturing 15-3331 726-3334 3341 Machinery Manufacturing 15-3334 726-3334 3341 Machinery Manufacturing 15-3335 726-3336 3358 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3336 726-3336 3358 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3336 726-3336 3358 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3336 726-3336 3358 Machinery Manufacturing 15-3336 726-3336 3358 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3336 726-3346 3346 Manufacturing and Reproduction Manufacturing 15-3336 726-3336 3358 Engine, Turbine, and Power Transmission Equipment Manufacturing 15-3337 726-3346 3364 More				
17-3315 726-3315 3315 Foundries				
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15-3322	<u>13-3321</u> =5 2222	r2(-3321	2222	Forging and Stamping
15-3324 176-3324 3324 Boiler, Tank, and Shinoine Container Manufacturine 15-3325 176-3325 3326 176-3326 3326 Sorine and Wire Product Manufacturine 15-3327 176-3327 3327 Machine Shors: Turned Product and Screw, Nut. and Bolt Manufacturine 15-3328 176-3328 3329 Other Eabricated Metal Product Manufacturine 15-3331 176-3332 3329 Other Eabricated Metal Product Manufacturine 15-3333 176-3333 3330 Other Eabricated Metal Product Manufacturine 15-3333 176-3333 176-3333 3331 Industrial Machinery Manufacturine 15-3333 176-3333 176-3333 3333 Venitatial Machinery Manufacturine 15-3333 176-3333 176-3333 3334 Venitatial Machinery Manufacturine 15-3335 176-3335 176-3335 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3336 176-3339 176-3339 176-3339 176-3339 176-3339 176-3339 176-3334 176-3344 176-3344 176-3344 176-3344 176-3344 176-3344 176-3345 176-3345 176-3345 176-3346 176-33	<u>13-3322</u> =5 2222	r26-3322		Cutiery and Handtool Manufacturing
15-3325 176-3325 3326 3326 3327 3327 3327 3327 3327 3327 3328 3328 32328 32328 3232 325				Architectural and Structural Metals Manufacturing
15-3326	r5-3324	r26-3324		
15-3327 126-3328 3328 Costine Energy Energy Horduct: and Serew. Nut. and Bolt Manufacturing	r5-3325			
15-3328 726-3328 3328 Coatine, Engravine, Heat Treatine, and Allied Activities T-3329 726-3329 3329 Other Fabricated Metal Product Manufacturine T-3331 726-3331 726-3332 3332 Industrial Machinery Manufacturine Machinery Manufacturine T-3333 726-3333 726-3333 3333 Commercial and Service Industry Machinery Manufacturine T-3335 726-3334 3334 Ventilation, Heatine, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturine T-3335 726-3335 736-3336 736-3336 736-3336 736-3339 736-3339 736-3339 736-3339 736-3339 736-3339 736-3339 736-3341 726-3341 726-3341 726-3341 726-3342 7342 Communications Equipment Manufacturine T-3344 726-3342 7342 Communications Equipment Manufacturine T-3344 726-3343 7343 726-3343 7344 Satisfies Equipment Manufacturine T-3345 726-3345 7344 7344 7344 Satisfies Equipment Manufacturine T-3345 726-3345 7345 7346				Spring and Wire Product Manufacturing
15-3329				
F3-3331				
15-3332				Other Fabricated Metal Product Manufacturing
15-3333				
15-3334		r26-3332		
15-3335				Commercial and Service Industry Machinery Manufacturing
15-3336 126-3336 3336 Engine, Turbine, and Power Transmission Equipment Manufacturing				
15-3339 126-3339 3339 Other General Purnose Machinery Manufacturing 15-3341 126-3341 3341 Computer and Peripheral Equipment Manufacturing 15-3342 126-3342 3342 Communications Equipment Manufacturing 15-3343 176-3343 3343 Audio and Video Equipment Manufacturing 15-3344 176-3344 3344 Semiconductor and Other Electricin Component Manufacturing 15-3345 126-3345 3345 Navigational Measuring Electromedical and Control Instruments Manufacturing 15-3346 126-3346 3346 Manufacturing and Reproducing Magnetic and Optical Media 15-3351 126-3351 126-3352 3352 Household Appliance Manufacturing 15-3352 176-3353 3353 Electrical Equipment Manufacturing 15-3359 176-3353 3353 Electrical Equipment Manufacturing 15-3361 126-3361 3361 Motor Vehicle Manufacturing 15-3362 126-3363 3361 Motor Vehicle Manufacturing 15-3363 126-3363 3363 Motor Vehicle Body and Trailer Manufacturing 15-3364 176-3364 3364 Aerospace Product and Parts Manufacturing 15-3366 126-3366 3366 3366 Saliroad Rolling Stock Manufacturing 15-3379 176-3372 3372 176-3372 3373 Office Furniture (including Fixtures) Manufacturing 15-3379 176-3379 3379 Other Transportation Equipment Manufacturing 15-3379 176-3379 3379 Other Furniture Related Product Manufacturing 15-3379 176-3379 3379 Other Furniture Related Product Manufacturing 15-3379 176-3379 1379 0ther Furniture Related Product Manufacturing 15-3379 176-3379 1379 0ther Furniture Related Product Manufacturing	r5-3335		3335	Metalworking Machinery Manufacturing
175-3341 1726-3342 3341 Commuter and Perioheral Equipment Manufacturing				Engine, Turbine, and Power Transmission Equipment Manufacturing
175-3342				Other General Purpose Machinery Manufacturing
r5-3343 r26-3343 3343				
r5-3344 r26-3344 3344 Semiconductor and Other Electronic Component Manufacturing r5-3345 r26-3345 3345 Navigational Measuring. Electromedical and Control Instruments Manufacturing r5-3346 r26-3346 3346 Manufacturing and Reproducting Magnetic and Optical Media r5-3351 r26-3351 3351 Electric Lighting Equipment Manufacturing r5-3352 r26-3352 3352 Household Appliance Manufacturing r5-3353 r26-3353 3353 Electrical Equipment Manufacturing r5-3359 r26-3359 3359 Other Electrical Equipment and Component Manufacturing r5-3361 r26-3361 3361 Motor Vehicle Manufacturing r5-3362 r26-3362 3362 Motor Vehicle Body and Trailer Manufacturing r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3363 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing				
r5-3345 r26-3345 3345 Navigational. Measuring. Electromedical. and Control Instruments Manufacturing r5-3346 r26-3346 3346 Manufacturing and Reproducting Magnetic and Ontical Media r5-3351 r26-3351 3351 Electric Lightine Equipment Manufacturing r5-3352 r26-3352 3352 Household Appliance Manufacturing r5-3353 r26-3353 3353 Electrical Equipment Manufacturing r5-3359 r26-3359 3359 Other Electrical Equipment and Component Manufacturing r5-3361 r26-3361 3361 Motor Vehicle Bautifacturing r5-3362 r26-3362 3362 Motor Vehicle Body and Trailer Manufacturing r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3365 r26-3366 3366 Shin and Boat Building r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-				
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r5-3346 r26-3346 3346 Manufacturing and Reproducing Magnetic and Optical Media r5-3351 r26-3351 3351 Electric Lighting Equipment Manufacturing r5-3352 r26-3352 3352 Household Appliance Manufacturing r5-3353 r26-3353 3353 Electrical Equipment Manufacturing r5-3359 r26-3359 3359 Other Electrical Equipment and Component Manufacturing r5-3361 r26-3362 3361 Motor Vehicle Manufacturing r5-3362 r26-3362 3362 Motor Vehicle Parts Manufacturing r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3366 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Shin and Boat Building r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391				Navigational, Measuring, Electromedical, and Control Instruments Manufacturing
r5-3352 r26-3352 3352 Household Appliance Manufacturing r5-3353 r26-3353 3353 Electrical Equipment Manufacturing r5-3359 r26-3359 3359 Other Electrical Equipment and Component Manufacturing r5-3361 r26-3361 3361 Motor Vehicle Manufacturing r5-3362 r26-3362 3362 Motor Vehicle Body and Trailer Manufacturing r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Shin and Boat Building r5-3371 r26-3379 3369 Other Transportation Equipment Manufacturing r5-3372 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3379 r26-3379 3379 Office Furniture (including Fixtures) Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing				
F5-3353 F26-3353 S353 Electrical Equipment Manufacturing F5-3359 F26-3359 S359 Other Electrical Equipment and Component Manufacturing F5-3361 F26-3361 S361 Motor Vehicle Manufacturing F5-3362 F26-3362 S362 Motor Vehicle Parts Manufacturing F5-3363 F26-3363 S363 Motor Vehicle Parts Manufacturing F5-3364 F26-3364 S364 Aerospace Product and Parts Manufacturing F5-3365 F26-3365 S365 Railroad Rolling Stock Manufacturing F5-3366 F26-3366 Ship and Boat Building F3-3369 F26-3369 F26-3369 Ship and Boat Building F3-3371 F26-3371 F26-3371 F26-3372 F26-3372 S372 Office Furniture (including Fixtures) Manufacturing F3-3379 F26-3379 F26-3379 S379 Other Furniture Related Product Manufacturing F3-3391 F26-3391 S391 Medical Equipment and Supplies Manufacturing F3-3391 F26-3391 S391 Medical Equipment and Supplies Manufacturing F3-3391 F26-3391 S391 Medical Equipment and Supplies Manufacturing F3-3391 F36-3391 S391 Medical Equipment and Supplies Manufacturing F3-3391 F36-3391 S391 Medical Equipment and Supplies Manufacturing F3-3391 F36-3391				
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r5-3361 r26-3361 3361 Motor Vehicle Manufacturing r5-3362 r26-3362 3362 Motor Vehicle Body and Trailer Manufacturing r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Ship and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3359	r26-3359		Other Electrical Equipment and Component Manufacturing
r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Ship and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing				Motor Vehicle Manufacturing
r5-3363 r26-3363 3363 Motor Vehicle Parts Manufacturing r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Ship and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing				Motor Vehicle Body and Trailer Manufacturing
r5-3364 r26-3364 3364 Aerospace Product and Parts Manufacturing r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Ship and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing				Motor Vehicle Parts Manufacturing
r5-3365 r26-3365 3365 Railroad Rolling Stock Manufacturing r5-3366 r26-3366 3366 Ship and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3364	r26-3364	3364	Aerospace Product and Parts Manufacturing
r5-3366 r26-3366 3366 Shin and Boat Building r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3365	r26-3365	3365	Railroad Rolling Stock Manufacturing
r5-3369 r26-3369 3369 Other Transportation Equipment Manufacturing r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing		r26-3366		Ship and Boat Building
r5-3371 r26-3371 3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing r5-3372 r26-3372 3372 Office Furniture (including Fixtures) Manufacturing r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing				
r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3371	r26-3371	3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing
r5-3379 r26-3379 3379 Other Furniture Related Product Manufacturing r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3372	r26-3372	3372	Office Furniture (including Fixtures) Manufacturing
r5-3391 r26-3391 3391 Medical Equipment and Supplies Manufacturing	r5-3379	r26-3379	3379	

Table 22. Variable Code. Social Accounting Matrix - continuation -

Variable cod	Variable ande	MAICS anda	Nama
Goods & Sei		NAICS code	Name
Account (G&S)	Account (P)		
,	()		
r6	r27	43-46	Wholesale Trade & Retail Trade
r7-4862	r28-4862	4862	Pipeline Transportation of Natural Gas
r7-4869	r28-4869	4869	Other Pipeline Transportation
r7-RESTO 4		see Table 3	THE REST OF THE SECTOR 48: Transportation
r8 r9	r29	49 51	Postal Service and Warehousing
r9	r30		Information Monetary Authorities-Central Bank
r10-5211 r10-5221	r31-5211 r31-5221	5211 5221	Depository Credit Intermediation
r10-5221	r31-5222	5222	Nondepository Credit Intermediation Nondepository Credit Intermediation
r10-5223	r31-5223	5223	Activities Related to Credit Intermediation
r10-5224	r31-5224	5224	Securities and Commodity Contracts Intermediation and Brokerage
r10-3224	r31-5225	5225	Services related to credit intermediation-exchange
r10-5225	r31-5231	5223	Brokerage, exchange and exchange centers
r10-5231	r31-5232	5232	Securities and Commodity Exchanges
r10-5232	r31-5239	5239	Other Financial Investment Activities
r10-5241	r31-5241	5241	Insurance Carriers
r10-5241	r31-5242	5242	Agencies, Brokerages, and Other Insurance Related Activities
r110-3242	r32	53	Real Estate and Rental and Leasing
r12	r33	54	Professional, Scientific, and Technical Services
r13	r34	55	Management of Companies and Enterprises
r14-561	r35-561	see Table 3	THE REST OF THE SUB-SECTOR 561: Administrative and Support Services
r14-5621	r35-5621	5621	Waste Collection
r15	r36	61	Educational Services
r16-6214	r37-6214	6214	Outpatient Care Centers
r16-6216	r37-6216	6216	Home Health Care Services
r16-RESTO	621 r37-RESTO 621	see Table 3	THE REST OF THE SUB-SECTOR 621: Ambulatory Health Care Services
r16-6221	r37-6221	6221	General Medical and Surgical Hospitals
r16-6222	r37-6222	6222	Psychiatric and Substance Abuse Hospitals
r16-6223	r37-6223	6223	Specialty (except Psychiatric and Substance Abuse) Hospitals
r16-6231	r37-6231	6231	Nursing Care Facilities (Skilled Nursing Facilities)
r16-6232	r37-6232	6232	Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities
r16-6233	r37-6233	6233	Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly
r16-6239	r37-6239	6239	Other Residential Care Facilities
r16-6241	r37-6241	6241	Individual and Family Services
r16-6242	r37-6242	6242	Community Food and Housing, and Emergency and Other Relief Services
r16-6243	r37-6243	6243	Vocational Rehabilitation Services
r16-6244	r37-6244	6244	Child Day Care Services
r17	r38	71	Arts, Entertainment, and Recreation
r18	r39	72	Accommodation and Food Services
r19-8141	r40-8141	8141	Private Households
r19-RESTO	81 r40-RESTO 81	see Table 3	THE REST OF THE SECTOR 81: Other Services (except Public Administration)
r20-9311	r41-9311	9311	Legislatures
r20-9312	r41-9312	9312	General public administration
r20-9313	r41-9313	9313	Regulating and promoting economic development
r20-9314	r41-9314	9314	Law enforcement and maintenance of security and public order
r20-9315	r41-9315	9315	Regulation and promotion of activities to improve and preserve the environment
r20-9316	r41-9316	9316	Administrative activities of social welfare institutions
r20-9317	r41-9317	9317	Foreign affairs

r20-9318	r41-9318	9318	National security activities
r20-9321	r41-9321	9321	International and extraterritorial organizations and bodies
r21	r42		Direct net purchases of residents and non-residents
r43-NF w s			Generation of income. Non-financial companies: wage and salaries
r43-NF			Generation of income. Non-financial companies: effective employer contribution for pension
r43-NF			Generation of income. Non-financial companies: effective employer contribution for nonpension
r43-NF			Generation of income. Non-financial companies: imputed contribution by employers for pension
r43-NF			Generation of income. Non-financial companies: imputed contribution by employers for nonpension
r43-N gos			Generation of income. Non-financial companies: gross operating surplus
r43-NF cfcgos			Generation of income. Non-financial companies: Consumption of fixed capital on gross operating surplus
r43-F w s			Generation of income. Financial companies: wage and salaries
r43-F CExpension	1		Generation of income. Financial companies: effective employer contribution for pension
r43-F			Generation of income. Financial companies: effective employer contribution for nonpension
r43-F CIxpension			Generation of income. Financial companies: imputed contribution by employers for pension
r43-F			Generation of income. Financial companies: imputed contribution by employers for nonpension
r43-F gos			Generation of income. Financial companies: gross operating surplus
r43-F cfcgos			Generation of income. Financial companies: Consumption of fixed capital on gross operating surplus
r43-G w s			Generation of income. Government: Wage and salaries
r43-G			Generation of income. Government: effective employer contribution for pension
r43-G			Generation of income. Government: effective employer contribution for nonpension
r43-G CIxpension	1		Generation of income. Government: imputed contribution by employers for pension
r43-G			Generation of income. Government: imputed contribution by employers for nonpension
r43-G vat			Generation of income. Government: value added tax (VAT)
r43-G id			Generation of income. Government: import duties
r43-G ti			Generation of income. Government: Taxes on imports excluding VAT and duties

Table 23. Variable Code. Social Accounting Matrix – continuation -

Variable code	Variable code	NAICS code	Name 25. Variable Code, Social Accounting Matrix - Continuation -
Goods & Services	Production	NAICS code	name
Account	Account		
(G&S)	(P)		
r43-G toe			Generation of income. Government: Taxes on exports
r43-G ie			Generation of income. Government: Import & exports
r43-G othertop			Generation of income. Government: Other taxes on production
r43-G is			Generation of income. Government: Import subsidies
r43-G es			Generation of income. Government: Export subsidies
r43-G othersp			Generation of income. Government: Other subsidies on products
r43-G ospn			Generation of income. Government: Other subsidies on production
r43-G gos			Generation of income. Government: Gross operating surplus
r43-G cfcgos			Generation of income. Government: Consumption of fixed capital on gross operating surplus
r43-G ntops			Generation of income. Government: Net taxes on products subsidies
r43-H w s D1			Generation of income. Household: Wage and salaries, decile 1
r43-H w s D2			Generation of income. Household: Wage and salaries, decile 2
r43-H w s D3			Generation of income. Household: Wage and salaries, decile 3
r43-H w s D4			Generation of income. Household: Wage and salaries, decile 4
r43-H w s D5			Generation of income. Household: Wage and salaries, decile 5
r43-H w s D6			Generation of income. Household: Wage and salaries, decile 6
r43-H w s D7			Generation of income. Household: Wage and salaries, decile 7
r43-H w s D8			Generation of income. Household: Wage and salaries, decile 8
r43-H w s D9			Generation of income. Household: Wage and salaries, decile 9
r43-H w s D10			Generation of income. Household: Wage and salaries, decile 10

r43-H CExpension	Generation of income. Household: Effective employer contribution for pension
r43-H CExnonpension	Generation of income. Household: Effective employer contribution for nonpension
r43-H CIxpension	Generation of income. Household: Imputed contribution by employers for pension
r43-H CIxnonpension	Generation of income. Household: Imputed contribution by employers for nonpension
r43-H gos	Generation of income. Hosehold: Gross operating surplus
r43-H cfcgos	Generation of income. Household: Consumption of fixed capital on gross operating surplus
r43-H GMI A W D1	Generation of income. Household: Mixed income, provide food, decile 1, women
r43-H GMI A W D2	Generation of income. Household: Mixed income, provide food, decile 2, women
r43-H GMI A W D3	Generation of income. Household: Mixed income, provide food, decile 3, women
r43-H GMI A W D4	Generation of income. Household: Mixed income, provide food, decile 4, women
r43-H GMI A W D5	Generation of income. Household: Mixed income, provide food, decile 5, women
r43-H GMI A W D3	Generation of income. Household: Mixed income, provide food, decile 1, men
r43-H GMI A M D2	
	Generation of income. Household: Mixed income, provide food, decile 2, men
r43-H GMI A M D3	Generation of income. Household: Mixed income, provide food, decile 3, men
r43-H GMI A M D4	Generation of income. Household: Mixed income. provide food. decile 4. men
r43-H GMI A M D5	Generation of income. Household: Mixed income. provide food. decile 5. men
r43-H GMI LvM W D1	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, women
r43-H GMI LvM W D2	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, women
r43-H GMI LyM W D3	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, women
r43-H GMI LvM W D4	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, women
r43-H GMI LvM W D5	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, women
r43-H GMI LvM M D1	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 1, men
r43-H GMI LvM M D2	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 2, men
r43-H GMI LvM M D3	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 3, men
r43-H GMI LyM M D4	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 4, men
r43-H GMI LyM M D5	Generation of income. Household: Mixed income, provide cleaning and maintenance of housing, decile 5, men
r43-H GMI LyC W D1	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 1, women
r43-H GMI LvC W D2	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, women
r43-H GMI LvC W D3	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, women
r43-H GMI LvC W D4	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, women
r43-H GMI LvC W D5	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, women
r43-H GMI LyC M D1	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 1, men
r43-H GMI LvC M D2	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 2, men
r43-H GMI LvC M D3	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 3, men
r43-H GMI LvC M D4	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 4, men
r43-H GMI LvC M D5	Generation of income. Household: Mixed income, provide cleaning and care of clothing and shoes, decile 5, men
r43-H GMI CA W D1	Generation of income. Household: Mixed income, provide shopping and household management, decile 1, women
r43-H GMI CA W D2	Generation of income. Household: Mixed income, provide shopping and household management, decile 2, women
r43-H GMI CA W D3	Generation of income. Household: Mixed income, provide shopping and household management, decile 3, women
r43-H GMI CA W D4	Generation of income. Household: Mixed income, provide shopping and household management, decile 4, women
r43-H GMI CA W D5	Generation of income. Household: Mixed income, provide shopping and household management, decile 5, women
r43-H GMI CA M D1	Generation of income. Household: Mixed income, provide shopping and household management, decile 1, men
r43-H GMI CA M D2	Generation of income. Household: Mixed income, provide shopping and household management, decile 2, men
r43-H GMI CA M D3	Generation of income. Household: Mixed income, provide shopping and household management, decile 3, men
r43-H GMI CA M D3	Generation of income. Household: Mixed income, provide shopping and household management, decile 4, men
r43-H GMI CA M D4	Generation of income. Household: Mixed income, provide shopping and household management, decile 5, men
r43-H GMI CA W D1	Generation of income. Household: Mixed income, providing care and support, decile 1, women
r43-H GMI CVA W D1	
	Generation of income. Household: Mixed income, providing care and support, decile 2, women
r43-H GMI CvA W D3	Generation of income. Household: Mixed income, providing care and support, decile 3, women
r43-H GMI CvA W D4	Generation of income. Household: Mixed income, providing care and support, decile 4, women
r43-H GMI CvA W D5	Generation of income. Household: Mixed income, providing care and support, decile 5, women
r43-H GMI CvA M D1	Generation of income. Household: Mixed income, providing care and support, decile 1, men
r43-H GMI CvA M D2	Generation of income. Household: Mixed income. providing care and support. decile 2. men
r43-H GMI CvA M D3	Generation of income. Household: Mixed income. providing care and support. decile 3. men
r43-H GMI CvA M D4	Generation of income. Household: Mixed income. providing care and support. decile 4. men
r43-H GMI CvA M D5	Generation of income. Household: Mixed income, providing care and support, decile 5, men

Table 24. Variable Code. Social Accounting Matrix – continuation –

Variable and	Manialala 1 .		Sable 24. Variable Code. Social Accounting Matrix – continuation –
Variable code	Variable code	NAICS code	Name
Goods & Services	Production		
Account	Account		
(G&S)	(P)		
r43-H GMI AoH W D1			Generation of income. Household: Mixed income. provide help to other households and volunteer work, decile 1, women
r43-H GMI AoH W D2			Generation of income. Household: Mixed income. provide help to other households and volunteer work, decile 2, women
r43-H GMI AoH W D3			Generation of income. Household: Mixed income. provide help to other households and volunteer work, decile 3, women
r43-H GMI AoH W D4			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 4, women
r43-H GMI AoH W D5			Generation of income. Household: Mixed income. provide help to other households and volunteer work, decile 5, women
r43-H GMI AoH M D1			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 1, men
r43-H GMI AoH M D2			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 2, men
r43-H GMI AoH MW D3			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 3, men
r43-H GMI AoH M D4			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 4, men
r43-H GMI AoH M D5			Generation of income. Household: Mixed income, provide help to other households and volunteer work, decile 5, men
r43-H cfcgmi			Generation of income. Household: Consumption of fixed capital on gross mixed income
r43-NPIsSH w s			Generation of income. NPIsSH: Wage and salaries
r43-NPIsSH CExpension			Generation of income. NPIsSH: effective employer contribution for pension
r43-NPIsSH			Generation of income. NPIsSH: effective employer contribution for nonpension
r43-NPIsSH CIxpension			Generation of income. NPIsSH: imputed contribution by employers for pension
r43-NPIsSH			Generation of income. NPIsSH: imputed contribution by employers for nonpension
r43-NPIsSH gos			Generation of income. NPIsSH: gross operating surplus
r43-NPIsSH cfcgos			Generation of income. NPIsSH: Consumption of fixed capital on gross operating surplus
r43-RW			Generation of income, RW: Wage and salaries
r44-NF			Primary allocation of income: Non-financial companies
r44-F			Primary allocation of income: Financial companies
r44-G GDP-CFC			Primary allocation of income: Government
r44-G ntops			Primary allocation of income: Government. Net taxes on products subsidies
r44-H D1			Primary allocation of income: Household, decile 1
r44-H D2			Primary allocation of income: Household, decile 2
r44-H D3			Primary allocation of income: Household, decile 3
r44-H D4			Primary allocation of income: Household, decile 4
r44-H D5			Primary allocation of income: Household, decile 5
r44-H D6			Primary allocation of income: Household, decile 6
r44-H D7			Primary allocation of income: Household, decile 7
r44-H D8			Primary allocation of income: Household, decile 8
r44-H D9			Primary allocation of income: Household, decile 9
r44-H D10			Primary allocation of income: Household, decile 10
r44-NPIsSH			Primary allocation of income: NPIsSH
r44-NFIRW			Primary allocation of income: Net Factorial Incomes of the Rest of the World (NFIRW)
r45-NF			Distribution of incomes: Non-financial companies
r45-F			Distribution of incomes: Financial companies
r45-G GDP-CFC			Distribution of incomes: Government
r45-G ntops			Distribution of incomes: Government. Net taxes on products subsidies
r45-H D1			Distribution of incomes: Household, decile 1
r45-H D2			Distribution of incomes: Household, decile 2
r45-H D3			Distribution of incomes: Household, decile 3
r45-H D4			Distribution of incomes: Household, decile 4
r45-H D5			Distribution of incomes: Household, decile 5
r45-H D6			Distribution of incomes: Household, decile 6
r45-H D7			Distribution of incomes: Household, decile 7
r45-H D8			Distribution of incomes: Household, decile 8
r45-H D9			Distribution of incomes: Household, decile 9

sr45-H D10	Distribution of incomes: Household, decile 10
r45-NPIsSH	Distribution of incomes: NFIRW
r45-RW	Distribution of incomes: RW
r46-NF	Use of income: Non-financial companies
r46-F	Use of income: Financial companies
r46-G	Use of income: Government
r46-H D1	Use of income: Household, decile 1
r46-H D2	Use of income: Household, decile 2
r46-H D3	Use of income: Household, decile 3
r46-H D4	Use of income: Household, decile 4
r46-H D5	Use of income: Household, decile 5
r46-H D6	Use of income: Household, decile 6
r46-H D7	Use of income: Household, decile 7
r46-H D8	Use of income: Household, decile 8
r46-H D9	Use of income: Household, decile 9
r46-H D10	Use of income: Household, decile 10
r46-NPIsSH	Use of income: NPIsSH
r46-RW	Use of income: RW
r47-NF	Capital. Non-financial companies
r47-F	Capital, Financial companies
r47-G	Capital, Government
r47-H D1	Capital, Household, decile 1
r47-H D2	Capital, Household, decile 2
r47-H D3	Capital, Household, decile 3
r47-H D4	Capital, Household, decile 4
r47-H D5	Capital, Household, decile 5

Table 25. Variable Code. Social Accounting Matrix - continuation -

Variable code	Variable code	NAICS code	Name
Goods & Services	Production	TAICS COUC	Name
Account	Account		
(G&S)	(P)		
r47-H D6			Capital. Household. decile 6
r47-H D7			Capital, Household, decile 7
r47-H D8			Capital, Household, decile 8
r47-H D9			Capital, Household, decile 9
r47-H D10			Capital, Household, decile 10
r47-NPIsSH			Capital, NPIsSH
r47-RW			Capital, RW
r48-NF			Gross fixed capital formation. Non-financial companies
r48-F			Gross fixed capital formation. Financial companies
r48-G			Gross fixed capital formation. Government
r48-H D1			Gross fixed capital formation. Household, decile 1
r48-H D2			Gross fixed capital formation. Household, decile 2
r48-H D3			Gross fixed capital formation. Household, decile 3
r48-H D4			Gross fixed capital formation. Household, decile 4
r48-H D5			Gross fixed capital formation. Household, decile 5
r48-H D6			Gross fixed capital formation. Household, decile 6

	Continue
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r48-H D7	Gross fixed capital formation. Household, decile 7
r48-H D8	Gross fixed capital formation. Household, decile 8
r48-H D9	Gross fixed capital formation. Household, decile 9
r48-H D10	Gross fixed capital formation. Household, decile 10
r48-NPIsSH	Gross fixed capital formation. NPIsSH
r48-RW	Gross fixed capital formation, RW
r49-Monetary gold	Monetary gold
r49-DEG	Special Drawing Rights: SDR
r49-Legal MNR	Legal money, National, Residents.
r49-Legal MNnR	Legal money, National, Non-residents.
r49-LMIPNR	Legal money, Interbank position, Residents.
r49-LMIPNnR	Legal money, Interbank position, Non-residents.
r49-OTDNR	Other transferable deposits. National. Residents.
r49-OTDNnR	Other transferable deposits, National, Non-residents.
r49-ODNR	Other deposits, National, Residents.
r49-ODNnR	Other deposits. National, Non-residents.
r49-NC	National currency
r49-FC	Foreign currency
r49-Lst	Loans short-time
r49-Llt	Loans long-time
r49-AC	Ouoted shares
r49-AnC	Non-quoted shares
r49-Aop	Other shares
r49-Share MM	Shares / units in money market funds
r49-Share Inv	Shares / units of other investment funds
r49-Insurance non-Life	Technical reserves of non-life insurance
r49-Insurance Life	Technical reserves of life insurance
r49-pension R	Pension rights
r49-Cpension	Claims of pension funds on the sponsor (employer)
r49-B non-pensiones	Rights non-pension benefits
r49-Warranty	Provisions for warranty claims standardized
r49-Options	Options
r49-Forwards	Forwards
r49-ESO	Employee stock options
r49-Trade credits	Trade credits and advances
r49-pay R	Other accounts receivable / payable. Residents.
r49-pay RW	Other accounts receivable / payable. RW
r49-discrepancy	Statistical discrepancy
r50-CT Canada	Current transfers to the rest of the word: Canada
r50-CT USA	Current transfers to/from the rest of the word: EUA
r50-CT RW2	Current transfers to/from the rest of the word: Other (RW2)
r51-TK NF	Capital transfers: Non-financial
r51-TK F	Capital transfers: Financial
r51-TK G	Capital transfers: Government
r51-TK H	Capital transfers: Household
r51-TK NPIsSH	Capital transfers: NPIsSH
r52 adi	Adjustment
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Independent activities of secondary and thirdly sectors are nonmetallic mineral mining and quarrying, construction, the manufacturing of other food, glass and glass product, fruit and vegetable preserving and specialty food, ventilation, heating, air-conditioning and commercial refrigeration equipment, clay product and refractory, securities and commodity contracts intermediation and brokerage, agencies, brokerages and other activities, related non-depositary intermediation, ambulatory health care services, privates households, monetary authorities-central bank, etc. Other independent activities are the rental of property of NFIRW, remuneration and net value added (NVA), these represented by wage and salaries of financial companies, NPIsSH and household decile 8. And imputed contribution by employers and effective employer contribution for non-pension of nonfinancial companies. From tables XVI-XX, the independent activities that strengthen the internal market are showed in table 7. Mainly regarding GVP and flow of production of health, environment and regulation and financing. It is remarkable the rental of property of net factorial income of the rest of the world (NFIRW).

Conclusions

When good and services with outside account is endogenous variable reflects the impacts under commercial opening (NAFTA), for example, the most important key linkage is current transferences to/from USA, in the case of strategic activity is the gross operating surplus of non-financial companies; leading sectors are manufacturing and current transferences from/to decile 8 of income; and independent linkage are in the primary and thirdly sectors. Mexico went from a producer of goods to a service provider country, losing value added in their production chains. This weakened the domestic market and thus the sources well-paid work. As close economy, primary sector changed from key sector to independent linkages sector. Wholesale Trade & Retail Trade sub-sectors are key activities now while before oil and gas extraction were the mainly key sector. Now, the energy opening under energetic reform is going to change this sector. The results reinforce the arguments of Mckinsey (Eduardo Bolio, Jaana Remes, Tomás Lajous, James Manyika, Morten Rossé and Eugenia Ramírez, 2014) on the two-speeds of the Mexican economy: a highly productive modern economy and a low-productivity traditional economy. Traditional Mexico is creating more (informal) jobs than Modern Mexico.

REFERENCES

Ángel Fernando Pineda Solís; "Linking sector of the Mexican economy: the financial sector and the real sector. An analysis from the perspective of social accounting matrix of Mexico 2003" (Vinculación sectorial de la economía mexicana: el sector financiero y el sector

- real. Un análisis desde la perspectiva de la matriz de contabilidad social de México 2003), UNAM, Facultad de Estudios Superiores Acatlán; Tesis de maestría Septiembre 2011, http://www.lareferencia.info/vufind/Record/MX 8be938c9ed8e4fea7397fa574e7449aa/Details
- Eduardo Bolio, Jaana Remes, Tomás Lajous, James Manyika, Morten Rossé and Eugenia Ramírez; "A tale of two Mexicos: growth and prosperity in a two-speed economy", McKinsey Global Institute, March 2014, McKinsey Company, http://www.mckinsey.com/insights/mgi
- Erik Thorbecke, "The use of social accounting matrices in modeling" P26th General Conference of The International Association for Research in Income and Wealth, Cracow, Poland, 27 August to 2 September 2000.
- Foreign Direct Investment (Stocks and flows outward/inward), "Secretary of Economy", http://w03.international.gc.ca/Commerce_International/Commerce_Country-Pays.aspx? lang=eng & http://w03.international.gc.ca/Commerce_International/Commerce_Indicator-Indicateur.aspx?lang=eng
- Gaspar Núñez; "A social accounting matrix of Mexico for the year 2000", Working papers in Input-Output Economics, International Input-Output Association; WPIOX 08-001, http://www.iioa.org/working_papers/WPs/WPIOX08-001.pdf
- Kijong Kim; "Hypothetical integration in a social accounting matrix and fixed price multiplier analysis"; Working papers in Input-Output Economics; International Input-Output Association; WPIOX 08-005, http://www.iioa.org/working_papers/WPs/WPIOX08-005.pdf
- Mexico Foreign Trade Inquiry System (Sistema de Información Arancelaria Vía Internet, SIAVI), "Tariff and statistical information of Mexico. Import and Export of goods and services", http://www.economia.gob.mx/comunidad-negocios/comercio-exterior/informacion-estadistica-y-arancelaria
- Rodolfo Minzer & Valentín Solís; "Structural analysis of the Mexican economy: Some measures of tax reform and its impact on tax revenues and poverty" (Analisis estructural de la economía mexicana: Algunas medidas de reforma fiscal y su impacto en la recaudación tributaria y la pobreza), Studies and Perspectives Series; CEPAL, ISSN 1680-8800, http://repositorio.cepal.org/bitstream/handle/11362/36788/LCL3783 es.pdf?sequence=1
- System of National Accounting of Mexico 2011 (Sistema de Cuentas Nacionales de México, SCNM), National Institute of Statistics and Geography (Instituto Nacional de Estadística y Geografía, INEGI), http://www.inegi.org.mx/
- United States Census Bureau, "North America Industrial Classification System, 2007", http://www.census.gov/eos/www/naics/