

11.Q

Tunisia

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11.Q.1 Original Input-Output Table

The data used in preparing the input-output table for the Tunisian economy came from a 1995 input-output table for Tunisia that was provided by the “Institut National de la Statistique” (INS). The Tunisia I-O table is grouped commodity by commodity and includes 52 sectors. INS (1998) provides a description of the data collection techniques used. All units are measured in units of 1000 dinars at current 1995 producer prices.

In the original Tunisia I-O, there was only a column vector reporting total imports by commodity. Following the procedure suggested in Huff, McDougall and Walmsley (2000), we constructed an import matrix by multiplying the pro-rated total use matrix by the import vector. A domestic matrix was then created by subtracting the import matrix from the total use matrix.

The value-added matrix was constructed using information on labor share per commodity and value-added taxes. There is no information on returns to agricultural land or commodity taxes in the Tunisia I-O table. We have set both series to zero.

11.Q.2 Sectoral Classification

A concordance was made from the source classification to the GTAP sectoral classification (GSC2). Because of data limitations in the original 1995 Tunisia I-O table, some source sectors were too aggregated to match the GTAP sector breakdown. For these sectors, we contributed our data in aggregated form. The concordance of the 52 sectors in the original Tunisia I-O table to the GSC2 is listed in Appendix Table 11.Q.A1. Appendix Table 11.Q.A2 provides the concordance between GSC2 and the original classification.

We could not assign the category “Other Products” in the original I-O table to any of the GTAP classifications. We allocated its value to the other commodities according to each commodity’s weight in the table.

We have no statistical information on imputed rents. We assume they are zero.

11.Q.3 Dealing with Re-Exports

For three original series (“Olives and Oils”, “Other Chemical” and “Hats”), Tunisia exported more than it domestically produced. For these three series, we subtracted the excess exports from both the export and the import series.

References

Institute National De La Statistique (INS). 1998. “*Les Comptes de la Nation Base 1983, agregats et tableaux d'ensemble 1993-1997,*” Tunis: INS Press.

Huff, K., McDougall, R. and Walmsley, T. 2000. “Contributing Input-Output Tables to the GTAP Data Base,” GTAP Technical Paper No. 1, Release 4.1, Purdue University, USA.

Table 11.Q.A1 Mapping between the Original Classification and GTAP Sectors

Original Classification		GTAP Sectors	
1	Agriculture	1, 4 - 10, 12, 23	pdr, v_f, osd, c_b, pfb, ocr, ctl, oap, wol, pcr
2	Fish and Seafood	14	fsb
3	Meat	19, 20	cmt, omt
4	Dairy	11, 22	rmk, mil
5	Processed Grain	2, 3	wht, gro
6	Olives and oils	21	vol
7	Canned Food	25	ofd
8	Confectionary	24	sgr
9	Other food products	1, 4 - 10, 12, 23	pdr, v_f, osd, c_b, pfb, ocr, ctl, oap, wol, pcr
10	Beverages	26	b_t
11	Tobacco	26	b_t
12	Cement	18	omn
13	Non-ferrous metals	36	nfm
14	Metal work	35, 37	i_s, fmp
15	Machines and equipment	41	ome
16	Automobiles and trucks	38, 39	mvh, otn
17	Auto parts and repair	38	mvh
18	Electric materials	40	ele
19	Electronic materials	40	ele
20	Household appliances	42	omf
21	Fertilizer	33	crp
22	Other chemical	33	crp
23	Related to chemicals	33	crp
24	Pharmaceuticals	33	crp
25	Rubber and tires	33	crp
26	Net and fabric	27	tex
27	Carpet	27	tex
28	Hats	28	wap
29	Apparel	28	wap
30	Leather work	29	lea
31	Woodwork	30	lum
32	Paper, books, records	31	ppp
33	Plastics	33	crp
34	Other products		<i>Split across commodities</i>
35	Minerals	34	nmm
36	Petroleum and gas	15, 16, 17, 32, 44	col, oil, gas, p_c, gdt
37	Electricity	43	ely
38	Water	45	wtr
39	Construction	46	cns
40	Commercial services	47	trd
41	Transportation services	48, 49, 50	otp, wtp, atp
42	Telecom and post	51	cmn
43	Hotel	47	trd
44	Restaurant	47	trd
45	Financial services	52	ofi
46	Insurance services	53	isr
47	Business services	54	obs
48	Property rent and leasing	54	obs

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Table 11.Q.A1 Mapping between the Original Classification and GTAP Sectors (Contd)

Original Classification		GTAP Sectors	
49	Repair services	47	trd
50	Maintenance education health other	56	osg
51	Public administration and welfare	56	osg
52	Other non-business services	55	ros

Table 11.Q.A2 Mapping between GSC2 and the Original Classification

GTAP Sectors		Original Classification	
1	pdr	1	Agriculture
		52	Other food products
2	wht	5	Processed Grain
3	gro	5	Processed Grain
4	v_f	1	Agriculture
		52	Other food products
5	osd	1	Agriculture
		52	Other food products
6	c_b	1	Agriculture
		52	Other food products
7	pfb	1	Agriculture
		52	Other food products
8	ocr	1	Agriculture
		52	Other food products
9	ctl	1	Agriculture
		52	Other food products
10	oap	1	Agriculture
		52	Other food products
11	rmk	4	Dairy
12	wol	1	Agriculture
		52	Other food products
13	for	-	-
14	fish	2	Fish and seafood
15	col	36	Petroleum and gas
16	oil	36	Petroleum and gas
17	gas	36	Petroleum and gas
18	omn	12	Cement
19	cmt	3	Meat
20	omt	3	Meat
21	vol	6	Olives and oils
22	mil	4	Dairy
23	per	1	Agriculture
		52	Other food products
24	sgr	8	Confectionary
25	ofd	7	Canned food
26	b_t	10	Beverages
		11	Tobacco
27	tex	26	Net and fabric
		27	Carpet
28	wap	28	Hats
		29	Apparel
29	lea	30	Leather work
30	lum	31	Woodwork
31	ppp	32	Paper, Books and Records
32	p_c	36	Petroleum and gas

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Table 11.Q.A2 Mapping between GSC2 and the Original Classification (Contd)

GTAP Sectors		Original Classification	
33	crp	21	Fertilizer
		22	Other chemicals
		23	Related to chemicals
		24	Pharmaceuticals
		25	Rubber and Tires
		33	Plastics
34	nmm	35	Minerals
35	i_s	14	Metal work
36	nfm	13	Non-ferrous metal
37	fmp	14	Metal work
38	mvh	16	Automobiles and trucks
		17	Auto parts and repair
39	otn	16	Automobiles and trucks
		17	Auto parts and repair
40	ele	18	Electric materials
		19	Electronic materials
41	ome	15	Machines and equipment
42	omf	20	Household appliances
43	ely	37	Electricity
44	gdt	36	Petroleum and gas
45	wtr	38	Water
46	cns	39	Construction
47	trd	40	Commercial services
		43	Hotel
		44	Restaurant
		49	Repair services
48	otp	41	Transportation services
49	wtp	41	Transportation services
50	atp	41	Transportation services
51	cmn	42	Telecom and post
52	ofi	45	Financial services
53	isr	46	Insurance services
54	obs	47	Business services
		48	Property rent and leasing
55	ros	52	Other non-business services
56	osg	50	Maintenance, education, health, other
		51	Public administration and welfare
57	dwe	-	-