

Iran 1991 Input-Output data converted to GTAP format

The original source for this data is the official 1991 Iran Input-Output Table, which had 78-sectors. We aggregated the table to 43 sectors, in such a way that each of the 57 GTAP sectors corresponded to just one of the 43 new sectors. The mappings are shown on the table overleaf.

Apart from the 78 sectors the IO table had rows called "Compensation of employees", "Taxes on production and imports", "Subsidies on production and imports", and "Net operating surplus". Additional columns were called "Household", "Non profit", "Govrnment", "GFCF", "Inventory", "Exports", "ImportsCIF", "Taxes on imports", and "Subsidies on imports". The indirect taxes were treated as commodity taxes (rather than as production taxes or tariffs).

The original table was measured in producers prices, million rial 1991. We first scaled the entire IO table uniformly so that GDP was equal to the World Bank 2001 estimate of 114.1 billion dollars US.

The IO table distinguished two types of primary factor inputs: wages and profits. Profits accounted for 3/4 of GDP. The wage values appeared not to include the contribution of owner-operators in agriculture or small business. As well, land was not distinguished as an input. To value the contributions to output of land and labour, we added (imputed) additional payments to land (in agriculture) and labour (in various industries). Corresponding amounts were subtracted from each industry's profit, so that industry outputs were unaffected. For agricultural and mining industries, 1/3 of GOS was moved to Land. In sectors dominated by small business, 1/10 of GOS was moved to Labour. Since the "factor splits" are redone at Purdue, these manipulations should not affect the GTAP database.

To split domestic and imported usage by user we assumed that dom/imp ratios were the same for all non-export users. Similarly, commodity tax vectors were apportioned across users in proportion to their usage of dom-plus-imp at producers prices. All this pro-rating took place at the original 78-sector level.

Mapping between 78, 43, and 57 sector aggregations

	43 Sectors	covering 78 IO sectors	covering 57 GTAP sectors
1	wht	Wheat	wht
2	pdr	RicePaddy	pdr
3	c_b	SugrBeetCane	c_b
4	OtherAg	OthIndstCrop OthFarming	gro v_f osd pfb ocr
5	ctl	Livestock	ctl rmk
6	oap	Poultry HoneyEtc	oap wol
7	fsh	Fishing	fsh
8	for	WoodForstPrd	for
9	OilGas	Crude_NatGas	oil gas
10	col	Coal	col
11	omn	IronOre CopperOre BldingStones OthOres	omn
12	mil	DairyProds	mil
13	sgr	Sugar	sgr
14	vol	Oils_Fats	vol
15	b_t	Tobacco_Cigs	b_t
16	ofd	AnimalFeeds OthFoodProds	cmt omt per ofd
17	ppp	PaperPulp Print_Pblish PaperProds	ppp
18	lum	SawmillProds WoodStrawPrd	lum
19	nmm	Cement GlassProds OthNonMtlMin	nmm
20	tex	TextilesEtc Carpets_Rugs	tex
21	wap	Clothing	wap
22	lea	Footwear	lea
23	crp	ChemicalFert Plastc_MMFbr Pharmaceutcl RbbrPlstcPrd OthChemPrd	crp
24	p_c	OilProds	p_c
25	i_s	BasIronSteel	i_s
26	nfm	Copper_Prods OthNFerMtlPr	nfm
27	fmp	MetlForIndCn	fmp
28	ome	IndustMchnry AgricMachnry	ome
29	ele	RadioTvEqp	ele
30	mvhotn	MotorVhicles	mvh otn
31	omf	OthManPrd	omf
32	ely	Electricity	ely
33	wtr	Water	wtr
34	gdt	NaturalGas	gdt
35	cns	Infrastruct ResBuildings OthConstruct	cns
36	trd	TradeWholRtl DistGas_Oil RestrntCafe HotelsAccom	trd
37	Transport	FreightTrans RoadP_AirTrn TransportSvc	otp wtp atp
38	cmn	Communcation	cmn
39	FinInsure	FinanciInst	ofi isr
40	dwe	RealEstate	dwe
41	obs	BusinessSvc	obs
42	osg	PublicAdmin MilitPolice HigherEdRsch PublicEducn TechVocEducn HospitalsEtc	osg
43	ros	VetrinarySvc CharitySvc ReligiousEtc ArtsCultSprt RepairSvc OthSvc	ros