

Table A1. Data sources for figures

Figure	Source
1	Calculated from SPO 1997 (Table 1.2)
2	Interest rate: SPO 1997 (Table 4.10) US GNP deflator: IMF, International Financial Statistics Turkish GNP deflator: Figure 4 TL/USD exchange rate: SPO 1997 (Table 3.14) Terms of trade: UFT, Foreign Trade Statistics
3	Calculated from SPO 1997 (Table 1.9)
4	Real product wages, calculated from Yavan 1997 (Table 5) CPI, SPO 1997 (Table 4.12) Minimum wage, MLSS, Labor Statistics
5	Calculated from Yavan (1997)
6	UFT 1998 and Table 2
7	Import duties, calculated from SPO 1997 (Table 1.5) Export subsidies A, Barlow and Senses, 1995: 116-117. Export subsidies B, manufactured exports, Uygur, 1991 (cited in Celasun, 1994: 469). Export subsidies C, Milanovic, 1986. Export subsidies D, Togan, 1993: 159.
8	Maraşlıoğlu and Tıktık 1993 (revised data)
9	SPO 1997 (Tables 2.4-2.6)
10	SPO 1997 (Tables 2.4-2.6)
11	Maraşlıoğlu and Tıktık 1993 (revised data)
12	SIS (unweighted average)

Notes:

MLSS: Ministry of Labor and Social Security

SIS: State Institute of Statistics

SPO: State Planning Organization

UFT: Undersecretariat of Foreign Trade

Table A2. Variable descriptions and data sources

Variable	Description	Source	Note
GREMPpp	Growth rate of employment, $\ln(\text{EMP}_{yy}/\text{EMP}_{xx})$, %	SIS	
GRVApp	Growth rate of real value added, $\ln(\text{EMP}_{yy}/\text{EMP}_{xx})$, %	SIS	
GRXpp	Growth rate of exports, $\ln(X_{yy}/X_{xx})$, %	UFT	
GRMpp	Growth rate of imports, $\ln(M_{yy}/M_{xx})$, %	UFT	
CURxx	Capacity utilization rate, arithmetic average, %	SIS	
LAPSxx	Average plant size (log form)	SIS	
REGCxx	Regional concentration index	SIS	a
PRSHxx	Market share of private establishments, %	SIS	
DFIxx	Market share of foreign establishments, %	SIS	b
XINTpp	Export intensity, X/Q , %	SIS and UFT	
MPENTpp	Import penetration ratio, $M/(Q+M-X)$, %	SIS and UFT	
GRPPpp	Growth rate of output prices, $\ln(\text{PP}_{yy}/\text{PP}_{xx})$, %	SIS	c
GRPIpp	Growth rate of input prices, $\ln(\text{PI}_{yy}/\text{PI}_{xx})$, %	SIS	d
GRXPPp	Growth rate of export prices, $\ln(\text{XP}_{yy}/\text{XP}_{xx})$, %	UFT	e
GRMPpp	Growth rate of import prices, $\ln(\text{MP}_{yy}/\text{MP}_{xx})$, %	UFT	e
LELECxx	Electricity consumption per employee (log form)	SIS	
LWxx	Real wages per employee (log form)	SIS	
PWSHxx	Share of production workers in total employees, %	SIS	
WSHxx	Share of female employees in total, %	SIS	
RDINTTR	R&D intensity, average for 1990-93, %	SIS	
TECHTRA	Market share of establishments that acquired foreign technology through licencing, etc., 1987-92 average	SIS	
AXSzz	Nominal export subsidy rates in zz, %	Togan, 1993: 159.	f
AMTzz	Nominal actual tariffs/import value ratio, %	SPO, I-O Tables	f
LVAEMPxx	Real value added per employee (log form)	SIS	

Notes:

pp Period, 1980-83, 1983-88, or 1988-93

xx, yy First and last years of the period, pp

a Calculated as $\sum s_i^2$ where s_i is the market share of the i^{th} province.

b "Foreign firm" includes all foreign-participated firms.

c Laspayres indices, at the 3-digit level for 1981-97 (base year 1981), at the 4-digit level for 1987-93 (base year 1987).

d Calculated as a cost share weighted average of main inputs. 1992 cost shares are used.

e Fisher price index.

f Available for I-O classification, converted to 4-digit level by a correspondence table.

Table 1. Labor force statistics, Turkey, North America and EU, selected years

	1973	1979	1983	1990	1995
<i>Employment/population ratios (%)</i>					
Turkey	69,2	65,2	59,9	55,6	54,1
North America	64,9	68,0	66,3	73,0	70,6
EU	64,4	62,7	59,3	62,3	60,2
<i>Labor force participation rates (%)</i>					
Turkey	74,0	71,2	64,7		58,4
North America	68,2	72,2	73,4		74,9
EU	66,2	66,3	65,7		67,5
<i>Civilian employment by sector (%)</i>					
Turkey					
Agriculture	60	54	51	48	45 ^a
Industry	18	20	21	21	22 ^a
Services	21	26	28	32	33 ^a
North America					
Agriculture	4	4	4	6	7 ^a
Industry	33	31	28	26	24 ^a
Services	63	65	69	68	69 ^a
EU					
Agriculture	12	10	9	6	5 ^a
Industry	41	38	35	32	31 ^a
Services	47	52	56	61	64 ^a

Source: OECD (1996), *Employment Outlook, July 1996*, Paris: OECD, pp.186, 191, 196.

a 1994

Table 2. Production, employment, capital stock, capital intensity and labor productivity by sectors, selected years

	1970	1978	1980	1983	1988	1993	1970-78	1980-83	1983-88	1988-93
<i>Production (billion 1988 TL)</i>							<i>Average annual growth rate (%)</i>			
Agriculture	12610	20488	21259	20064	26239	27636	6,25	-1,91	5,51	1,04
Industry	25220	50092	48135	60578	85392	108055	8,96	7,96	7,11	4,82
Mining	1629	2331	2077	2225	3387	3836	4,58	2,31	8,77	2,52
Manufacturing	22774	45740	43888	55806	77489	99214	9,11	8,34	6,79	5,07
<i>Consumption goods</i>	9604	17653	18083	22044	27394	34766	7,91	6,82	4,44	4,88
<i>Intermediate goods</i>	9050	18319	17826	23374	36655	44002	9,21	9,45	9,42	3,72
<i>Capital goods</i>	4120	9769	7978	10387	13440	20446	11,40	9,19	5,29	8,75
Energy	816	2020	2170	2547	4516	5005	12,00	5,48	12,14	2,08
Services	24944	43229	41576	43818	78448	100080	7,12	1,77	12,35	4,99
Total	62774	113809	110971	124459	190079	235771	7,72	3,90	8,84	4,40
<i>Employment (thousand people, 15+ old)</i>							<i>Average annual growth rate (%)</i>			
Agriculture	8243	8375	8360	8300	8192	8397	0,20	-0,24	-0,26	0,50
Industry	1515	2248	2300	2455	2825	2917	5,06	2,20	2,85	0,64
Mining	155	192	196	195	224	130	2,71	-0,17	2,81	-10,27
Manufacturing	1338	2013	2060	2208	2534	2686	5,24	2,34	2,79	1,17
<i>Consumption goods</i>	597	813	867	906	1054	1164	3,93	1,47	3,08	2,00
<i>Intermediate goods</i>	400	680	690	739	840	880	6,85	2,30	2,59	0,93
<i>Capital goods</i>	341	520	503	563	640	642	5,43	3,85	2,58	0,08
Energy	22	43	44	52	67	100	8,74	5,73	5,20	8,41
Services	3275	4652	5040	5414	6650	7388	4,48	2,41	4,20	2,13
Total	13033	15275	15700	16169	17667	18702	2,00	0,99	1,79	1,15

Table 2. Continued

	1970	1978	1980	1983	1988	1993	1970-78	1980-83	1983-88	1988-93
<i>Capital stock (billion 1988 TL)</i>							<i>Average annual growth rate (%)</i>			
Agriculture	23161	28605	29710	31498	35005	38465	2,67	1,97	2,13	1,90
Industry	44960	89434	103345	119874	139458	157455	8,98	5,07	3,07	2,46
Mining	6812	9837	11321	13578	16904	17289	4,70	6,25	4,48	0,45
Manufacturing	27249	62307	70863	79103	85194	91063	10,89	3,73	1,49	1,34
<i>Consumption goods</i>	7633	16579	17845	18577	20427	21822	10,18	1,35	1,92	1,33
<i>Intermediate goods</i>	15955	36722	42459	49233	51913	53432	10,98	5,06	1,07	0,58
<i>Capital goods</i>	3661	9006	10560	11293	12854	15809	11,91	2,26	2,62	4,23
Energy	10900	17290	21161	27193	37360	49102	5,94	8,72	6,56	5,62
Services	68122	100619	111058	120947	154404	205082	5,00	2,88	5,01	5,84
Total	136244	218658	244114	272319	328867	401002	6,09	3,71	3,85	4,05
<i>Capital intensity (million 1988 TL per person)</i>							<i>Average annual growth rate (%)</i>			
Agriculture	2,81	3,42	3,55	3,79	4,27	4,58	2,47	2,21	2,40	1,40
Industry	29,68	39,78	44,93	48,83	49,37	53,98	3,73	2,81	0,22	1,80
Mining	43,95	51,23	57,76	69,63	75,47	132,69	1,94	6,43	1,62	11,95
Manufacturing	20,37	30,95	34,40	35,83	33,62	33,90	5,37	1,36	-1,26	0,17
<i>Consumption goods</i>	12,78	20,39	20,59	20,51	19,38	18,75	6,01	-0,12	-1,13	-0,66
<i>Intermediate goods</i>	39,87	54,02	61,51	66,62	61,81	60,73	3,87	2,69	-1,49	-0,35
<i>Capital goods</i>	10,74	17,31	21,00	20,05	20,09	24,61	6,15	-1,53	0,04	4,14
Energy	495,43	402,09	480,93	522,93	557,61	489,31	-2,58	2,83	1,29	-2,58
Services	20,80	21,63	22,04	22,34	23,22	27,76	0,49	0,46	0,77	3,64
Total	10,45	14,31	15,55	16,84	18,61	21,44	4,01	2,70	2,02	2,87

Table 2. Continued

	1970	1978	1980	1983	1988	1993	1970-78	1980-83	1983-88	1988-93
<i>Labor productivity (million 1988 TL per person)</i>							<i>Average annual growth rate (%)</i>			
Agriculture	1,53	2,45	2,54	2,42	3,20	3,29	6,04	-1,67	5,79	0,54
Industry	16,65	22,28	20,93	24,68	30,23	37,04	3,71	5,64	4,14	4,15
Mining	10,51	12,14	10,60	11,41	15,12	29,44	1,82	2,49	5,79	14,26
Manufacturing	17,02	22,72	21,30	25,27	30,58	36,93	3,68	5,86	3,88	3,85
<i>Consumption goods</i>	<i>16,08</i>	<i>21,71</i>	<i>20,86</i>	<i>24,34</i>	<i>25,98</i>	<i>29,87</i>	<i>3,82</i>	<i>5,27</i>	<i>1,32</i>	<i>2,83</i>
<i>Intermediate goods</i>	<i>22,62</i>	<i>26,95</i>	<i>25,83</i>	<i>31,63</i>	<i>43,64</i>	<i>50,01</i>	<i>2,21</i>	<i>6,99</i>	<i>6,65</i>	<i>2,76</i>
<i>Capital goods</i>	<i>12,09</i>	<i>18,78</i>	<i>15,86</i>	<i>18,44</i>	<i>21,01</i>	<i>31,82</i>	<i>5,66</i>	<i>5,14</i>	<i>2,64</i>	<i>8,66</i>
Energy	37,09	46,98	49,32	48,98	67,40	49,88	3,00	-0,23	6,59	-5,85
Services	7,62	9,29	8,25	8,09	11,80	13,55	2,52	-0,63	7,83	2,80
Total	4,82	7,45	7,07	7,70	10,76	12,61	5,60	2,88	6,93	3,22

Source: Maraslioglu and Tiktik, 1993.

Note: "Average annual growth rate" is calculated by exponential growth formula.

Table 3. Employment generation in Turkish manufacturing industries, 1980-93

ISIC	Sector	Employees	Net employment creation			Annual growth
		in 1980	1980-83	1983-88	1988-93	1980-93, %
3901	Jewellery	152	338	225	710	18,79
3222	Wearing apparel	9462	10773	36315	22746	17,77
3221	Fur and leather products	1216	1592	7175	-344	17,26
3851	Professional and scient. eqmnt	437	676	1811	226	16,41
3233	Other leather	320	406	753	761	16,15
3854	Other professional eqmnt	360	14	286	870	11,77
3213	Knitting	8843	3236	5103	16470	10,83
3212	Textile exc. wearing apparel	3332	1276	4324	1872	9,47
3832	Radio, TV and comm. eqmnt	7074	2503	7355	1551	7,67
3844	Motorcycles and bicycles	784	458	158	640	7,63
3320	Furniture	3406	1179	1431	2129	6,94
3119	Confectionery	3458	1042	633	2238	5,99
3843	Motor vehicles	27066	6900	9958	12963	5,88
3833	Electrical appliances	2360	-488	960	1618	5,00
3122	Animal feeds	3243	1069	1688	-137	4,66
3134	Non-alcoholic beverages	3645	537	2485	-178	4,54
3541	Asphalt and roofing mat.	364	42	482	-252	4,39
3513	Synthetic resins, plastics	7543	1257	5276	-1476	4,03
3240	Footwear	4740	1759	-307	1368	3,66
3112	Dairy products	3741	771	841	512	3,52
3113	Fruits and vegetables	9486	893	3295	1161	3,50
3111	Meat	7436	376	1988	1783	3,47
3522	Drugs and medicines	8160	1883	1883	670	3,40
3560	Other plastic products	11648	1374	2722	1928	3,26
3312	Wooden and cane containers	494	-152	-92	494	3,20
3813	Structural metal products	7168	2896	-1568	2186	3,12
3909	Other manufacturing	2911	1322	87	-186	2,73
3421	Printing and publishing	10622	1442	3380	-594	2,61
3699	Other non-metallic min. prod.	7980	452	3799	-1164	2,55
3529	Other chemical products	3960	324	1246	-200	2,31
3512	Fertilizers and pesticides	6048	4252	-994	-1193	2,29
3551	Tyre and tube	4296	176	118	1150	2,25
3829	Other machinery	21760	2783	5445	-1241	2,17
3559	Other rubber products	5920	1164	2844	-2137	2,14
3544	Other petr. and coal products	1512	435	133	-92	2,13
3811	Cutlery and hand tools	7611	1013	4114	-2783	2,09
3131	Spirits	2840	-296	566	531	1,93
3852	Photographic and opt. goods	440	132	154	-165	1,89
3610	Pottery, china and earthenware	8442	1293	3747	-2994	1,68
3523	Soap and cleaning prep.	4598	-110	1518	-438	1,48
3620	Glass and glass products	9048	3328	2800	-4384	1,37
3812	Metal furniture	2436	508	92	-216	1,13

Table 3. Continued

ISIC	Sector	Employees in 1980	Net employment creation			Annual growth
			1980-83	1983-88	1988-93	1980-93, %
3831	Electrical industrial m/c	9240	1416	614	-575	1,13
3214	Carpets and rugs	8829	-29	1400	-157	1,00
3118	Sugar	21186	2714	1308	-1369	0,91
3543	Lubricating oil and greases	1320	180	-264	238	0,85
3411	Pulp and paper	12052	723	555	110	0,84
3412	Containers	4745	146	1645	-1390	0,63
3819	Other fabricated metal prod.	19159	3336	-73	-1687	0,61
3691	Structural clay products	18662	-2310	6073	-2678	0,44
3710	Iron and steel	53790	2190	7776	-8474	0,21
3311	Sawmills and planing	12998	402	1400	-1528	0,16
3319	Other wood products	350	258	-152	-105	0,02
3521	Paints, varnishes and lacquers	4047	-43	328	-484	-0,39
3825	Office, comp. and acc. m/c	560	272	-277	-23	-0,39
3211	Spinning and weaving	143533	10604	9545	-29742	-0,53
3116	Grain mill products	9867	1228	-1392	-547	-0,57
3822	Agricultural machinery	9167	1711	402	-2800	-0,60
3839	Other electrical machinery	12040	1465	824	-3313	-0,68
3692	Cement, lime and plaster	15235	137	3024	-4536	-0,72
3823	Metal and woodworking m/c	3827	541	672	-1640	-0,91
3117	Bakery products	19180	1988	1173	-5721	-1,10
3231	Leather finishing	3904	1541	-1588	-491	-1,13
3824	Special industrial m/c	9702	1254	-675	-1962	-1,18
3115	Oils and fats	12672	208	-4	-2124	-1,26
3419	Other paper and pulp	1215	825	-115	-913	-1,40
3121	Other food products	32574	-6924	3644	-2674	-1,54
3219	Other textile products	1080	376	-682	94	-1,67
3530	Petroleum refineries	6748	188	-1921	65	-2,16
3133	Malt liquors and malt	4080	249	-1161	-352	-2,81
3720	Non-ferrous metal	20898	565	1033	-8588	-3,08
3842	Railroad eqmnt	10415	285	-916	-3190	-3,45
3821	Engines and turbines	2015	-365	624	-1014	-3,55
3140	Tobacco	52808	-5270	-13973	-4309	-4,44
3511	Basic chemicals	9301	-1780	-24	-2373	-4,48
3132	Wine	1326	-126	-444	-42	-4,65
3841	Ship building	9361	-2809	-1446	-451	-5,23
3542	Coal products	98	127	-107	-74	-5,97
3215	Cordage, rope and twine	442	117	-403	-6	-7,98
	Total	794788	76218	140652	-38422	1,57

Note: "Annual growth" is the average annual growth rate calculated by the exponential growth formula.

Table 4. Characteristic of manufacturing industries by growth performance in the period 1980-83

Variable	Group 1 H growth		Group 2 M growth		Group 3 L growth		Group 4 Decline		Corr with GREMP 80-83
GREMP 80-83	53,62	20	19,41	20	8,25	20	-10,30	19	1,000 **
GREMP 83-88	17,94	20	16,24	20	16,38	20	3,31	19	0,279 **
GREMP 88-93	3,80	20	-3,37	20	-3,88	20	-8,19	19	0,074
GRVA 80-83	66,25	20	28,09	20	24,05	20	9,05	19	0,568 **
GRX 80-83	186,82	19	225,94	17	182,16	18	145,31	17	0,129
GRM 80-83	34,49	19	45,75	19	52,25	16	62,36	16	-0,067
CUR 80	54,24	20	55,95	20	55,49	20	57,34	19	-0,109
GREST 80-83	22,01	20	9,76	20	5,05	20	-2,68	19	0,661 **
LAPS 80	3,88	20	4,16	20	4,57	20	5,05	19	-0,418 **
DLAPS 80-83	0,32	20	0,10	20	0,03	20	-0,08	19	0,833 **
CR 80	61,00	20	50,67	20	44,24	20	59,09	19	0,082
REGC 80	0,62	20	0,43	20	0,27	20	0,33	19	0,388 **
PRSH 80	90,13	20	87,20	20	78,44	20	57,59	19	0,309 **
DPRSH 80-83	0,98	20	0,70	20	-0,24	20	2,42	19	-0,140
DFI 83	2,80	20	14,33	20	9,31	20	4,38	19	-0,092
NETX 80	-19,87	20	-57,43	19	-13,45	18	-14,30	19	-0,071
DNETX 80-83	14,79	20	26,22	19	25,97	18	26,77	19	-0,044
XINT 80-83a	19,34	20	4,41	20	7,57	20	10,03	18	0,261 **
DXINT 80-83	11,11	20	4,97	20	6,86	20	8,18	18	0,122
MPENT 80-83a	17,32	20	14,88	20	10,05	20	13,20	19	0,086
DMPENT 80-83	0,64	20	2,71	20	3,90	20	5,60	19	-0,270 **
AXS 83	51,97	20	52,25	20	47,70	20	42,59	19	0,097
AMT 85	23,95	20	22,67	20	21,07	20	27,41	19	-0,057
GRPP 80-83	52,84	20	50,85	20	48,13	20	47,23	19	0,259 **
GRPI 80-83	50,10	20	50,05	20	45,65	20	49,33	19	0,193 *
GRXP 80-83	7,90	19	9,04	17	-4,65	18	4,46	17	0,041 b
GRMP 80-83	-7,33	19	-4,01	19	3,33	16	-0,02	17	0,132 c
LVAEMP 80	4,13	20	4,38	20	4,18	20	4,40	19	-0,122
LKL 80	3,15	20	3,56	20	3,46	20	3,60	19	-0,051
LELEC 80	7,77	20	7,96	20	8,55	20	8,27	19	-0,237 **
LLC 80	2,95	20	3,04	20	3,12	20	3,23	19	-0,215 *
DLC 80-83	-0,02	20	-0,04	20	-0,06	20	-0,10	19	0,204 *
PMAR 80	24,60	20	26,41	20	24,88	20	28,96	19	-0,185 a
RDINT 90-93a	0,02	20	0,01	20	0,02	20	0,05	19	-0,263 **
TECHTRAN 87-	8,83	18	7,38	19	7,84	19	8,23	17	-0,001
PWSH 80	80,14	20	74,81	20	77,32	20	77,84	19	0,051
WSH 80	16,09	20	18,82	20	15,49	20	15,11	19	0,129

** (*) means statistically significant at the 5% (10%) level, two-tail test.

a statistically significant at the 10,3% level, two tail test.

b correlation with XINT*GRXP

c correlation with MPENT*GRMP

Table 5. Characteristic of manufacturing industries by growth performance in the period 1983-88

Variable	Group 1 H growth		Group 2 M growth		Group 3 L growth		Group 4 Decline		Corr with GREMP 83-88
GREMP 83-88	55,14	20	21,13	20	4,62	20	-28,62	19	0,270 **
GREMP 80-83	30,61	20	10,65	20	12,30	20	18,88	19	1,000 **
GREMP 88-93	8,36	20	-1,14	20	-9,99	20	-8,91	19	0,223 **
GRVA 83-88	96,44	20	50,90	20	29,88	20	-6,17	19	0,660 **
GRX 83-88	147,23	19	71,95	20	97,10	19	177,30	19	-0,040
GRM 83-88	149,21	18	184,43	20	147,02	19	111,22	16	0,117
CUR 83	61,83	20	59,08	20	58,33	20	63,08	19	-0,047
GREST 83-88	15,22	20	0,20	20	-11,31	20	-22,93	19	0,583 **
LAPS 83	4,17	20	4,40	20	4,68	20	4,78	19	-0,206 *
DLAPS 83-88	0,40	20	0,21	20	0,16	20	-0,11	19	0,544 **
CR 83	53,56	20	43,22	20	48,23	20	61,95	19	-0,143
REGC 83	0,45	20	0,33	20	0,34	20	0,38	19	0,145
PRSH 83	91,10	20	79,84	20	78,18	20	68,52	19	0,286 **
DPRSH 83-88	-4,24	20	5,96	20	5,29	20	1,63	19	-0,127
DFI 83	2,64	20	7,52	20	15,83	20	4,85	19	0,027
NETX 83	6,88	19	18,92	20	-12,75	19	-21,06	19	0,147
DNETX 83-88	-9,53	19	-20,03	20	-5,03	19	-4,41	19	-0,012
XINT 83-88a	39,49	20	18,54	20	14,01	20	12,92	18	0,494 **
DXINT 83-88	7,32	20	0,31	20	8,11	20	9,67	17	-0,059
MPENT 83-88a	18,19	20	17,00	20	18,25	20	20,07	19	0,012
DMPENT 83-88	1,10	20	3,32	20	6,27	20	7,38	18	-0,241 **
AXS 86	33,09	20	20,99	20	25,94	20	27,54	19	0,232 **
AMT 85	25,65	20	22,39	20	22,23	20	24,69	19	-0,086
GRPP 83-88	193,68	20	196,57	20	196,23	20	190,00	19	0,151
GRPI 83-88	185,93	20	188,73	20	190,78	20	188,45	19	-0,064
GRXP 83-88	81,85	18	66,61	20	78,51	19	67,25	18	0,339 **b
GRMP 83-88	47,77	18	42,60	20	53,38	19	64,86	16	-0,179 c
LVAEMP 83	4,22	20	4,53	20	4,43	20	4,47	19	-0,081
LKL 83	3,34	20	3,56	20	3,50	20	3,49	19	-0,041
LELEC 83	8,09	20	8,31	20	8,66	20	8,46	19	-0,233 **
LLC 83	2,83	20	2,98	20	3,05	20	3,25	19	-0,348 **
DLC 83-88	-0,02	20	-0,12	20	-0,16	20	-0,23	19	0,304 **
PMAR 83	22,76	20	26,40	20	18,48	20	22,28	19	0,020
RDINT 90-93a	0,03	20	0,01	20	0,02	20	0,03	19	-0,027
TECHTRAN 87-	6,40	19	5,66	20	9,91	20	11,07	14	-0,143
PWSH 83	79,98	20	72,30	20	75,19	20	73,64	19	0,209 *
WSH 83	22,71	20	19,67	20	11,81	20	12,58	19	0,305 **

** (*) means statistically significant at the 5% (10%) level, two-tail test.

a statistically significant at the 10,3% level, two tail test.

b correlation with XINT*GRXP

c correlation with MPENT*GRMP

Table 6. Characteristic of manufacturing industries by growth performance in the period 1988-93

Variable	Group 1 Growth		Group 2 L decline		Group 3 M decline		Group 4 H decline		Corr with GREMP 88-93
GREMP 88-93	36,86	20	-0,44	20	-11,80	20	-37,74	19	1,000 **
GREMP 80-83	26,22	20	24,56	20	4,56	20	17,00	19	0,074
GREMP 83-88	20,90	20	21,37	20	-0,19	20	12,23	19	0,223 **
GRVA 88-93	94,31	20	82,37	20	49,75	20	41,03	19	0,551 **
GRX 88-93	81,62	19	46,74	19	55,16	20	19,48	19	0,314 **
GRM 88-93	143,07	19	102,74	19	84,96	19	90,01	19	0,291 **
CUR 88	65,62	20	66,30	20	66,62	20	66,96	19	-0,090
GREST 88-93	30,48	20	14,88	20	0,86	20	-18,37	19	0,583 **
LAPS 88	4,44	20	4,81	20	4,74	20	4,69	19	-0,189 *
DLAPS 88-93	0,06	20	-0,15	20	-0,13	20	-0,19	19	0,497 **
CR 88	58,58	20	48,79	20	43,52	20	57,59	19	-0,020
REGC 88	0,51	20	0,41	20	0,25	20	0,31	19	0,309 **
PRSH 88	90,79	20	82,41	20	77,02	20	76,38	19	0,322 **
DPRSH 88-93	-3,94	20	3,54	20	4,60	20	1,87	19	-0,369 **
DFI 88	16,42	20	14,45	20	8,80	20	9,02	19	0,123
NETX 88	15,91	19	-26,34	19	-10,58	20	-25,49	19	0,289 **
DNETX 88-93	-9,62	19	-9,89	19	-12,28	20	-10,17	19	0,066
XINT 88-93a	28,44	19	20,21	20	12,83	20	11,99	19	0,384 **
DXINT 88-93	-2,10	19	-0,13	20	-0,07	20	-4,48	19	0,047
MPENT 88-93a	13,24	19	21,99	19	22,45	20	26,68	19	-0,165
DMPENT 88-93	4,42	19	0,49	19	5,00	20	7,19	19	-0,113
AXS 90	17,11	20	18,13	20	17,35	20	20,73	19	-0,247 **
AMT 90	22,83	20	22,44	20	28,51	20	26,74	19	-0,034
GRPP 88-93	226,71	20	221,62	20	217,73	20	212,98	19	0,141
GRPI 88-93	214,59	20	220,26	20	229,68	20	224,15	19	-0,125
GRXP 88-93	27,06	18	9,94	19	4,76	20	20,85	18	0,325 **b
GRMP 88-93	-7,08	19	0,26	19	10,19	19	1,39	19	-0,166 c
LVAEMP 88	4,68	20	4,84	20	4,80	20	4,56	19	-0,043
LKL 88	2,99	20	3,66	20	3,44	20	3,77	19	-0,345 **
LELEC 88	8,26	20	8,54	20	8,89	20	8,75	19	-0,233 **
LLC 88	2,75	20	3,01	20	2,89	20	2,93	19	-0,315 **
DLC 88-93	0,76	20	0,80	20	0,86	20	0,84	19	-0,135
PMAR 88	28,82	20	28,45	20	32,45	20	28,76	19	0,005
RDINT 90-93a	0,04	20	0,03	20	0,01	20	0,01	19	0,397 **
TECHTRAN 87-	11,82	18	7,57	19	6,05	20	6,90	16	0,159
PWSH 88	78,68	20	72,23	20	74,27	20	76,87	19	0,159
WSH 88	20,20	20	18,31	20	11,83	20	10,30	19	0,334 **

** (*) means statistically significant at the 5% (10%) level, two-tail test.

a statistically significant at the 10,3% level, two tail test.

b correlation with XINT*GRXP

c correlation with MPENT*GRMP

Table 7. Industry characteristics, exports intensity, export subsidies and import protection, correlation test results

Variable	1980-83	1983-88	1988-93
<i>Correlations with XINT</i>			
LKL	-0,152	-0,215 *	-0,309 **
DLKL	-0,261 **	-0,169	-0,018
LELEC	-0,104	-0,177	-0,220 *
DLELEC	-0,088	-0,100	0,103
LLC	-0,311 **	-0,305 **	-0,419 **
DLLC	0,143	0,089	-0,216 *
LVAEMP	-0,147	-0,057	-0,343 **
AXS	-0,041	0,234 **	-0,120
AMT	-0,104	-0,064	-0,253 **
<i>Correlations with GRX</i>			
LKL	0,487 **	-0,056	-0,341 **
DLKL	0,080	0,229 **	0,277 **
LELEC	-0,106	-0,211 *	-0,251 **
DLELEC	0,063	0,014	0,063
LLC	0,275 **	0,076	-0,314 **
DLLC	-0,096	0,135	0,050
LVAEMP	0,126	-0,169	-0,251 **
AXS	0,094	0,207 **	-0,224 **
AMT	-0,029	-0,067	0,067
<i>Correlations with AXS</i>			
LKL	-0,039	-0,071	0,366 **
LELEC	-0,095	-0,163	0,189 *
LLC	-0,228 **	-0,117	0,199 *
AMT	0,160	-0,059	0,178
<i>Correlations with AMT</i>			
LKL	0,038	0,017	0,090
LELEC	0,187 *	0,174	0,109
LLC	0,015	0,029	0,036

Note: AXS variable is available for 1983, 1986 and 1990, and AMT variable for 1985 and 1990. All other variables are available for the beginning of the period (for levels), and for period averages (for growth).

** (*) means statistically significant at the 5% (10%) level, two-tail test.

Table 8. Labor demand estimation results, 1981-1994

Dependent variable: $\ln(\text{EMPLOYMENT})$

Variable	Model 1		Model 2		Model 3		Model 4		Model 5	
	coeff.	t-stat.	coeff.	t-stat.	coeff.	t-stat.	coeff.	t-stat.	coeff.	t-stat.
LW_i	-0,112	-6,307 **	-0,035	-1,416	-0,096	-2,198 **	-0,063	-1,619 *	-0,166	-4,631 **
LPI_i	-0,072	-2,157 **	0,015	0,444	0,015	0,461	-0,007	-0,218	0,115	4,394 **
LPE_i	0,175	6,349 **	0,088	2,660 **	0,087	2,613 **	0,113	3,717 **	0,032	1,119
LPK_i	-0,053	-1,650 *	-0,128	-2,608 **	-0,124	-2,528 **	-0,084	-1,865 **	0,019	
TARIFF			1,946	7,624 **	1,921	7,619 **	0,795	3,218 **	1,275	5,636 **
LRX			0,357	4,051 **	0,353	3,988 **	0,116	1,416	0,143	1,851 *
CVPR			0,412	2,344 **	0,412	2,336 **	0,087	0,546	0,164	1,072
RIR			-0,141	-3,514 **	-0,137	-3,386 **	-0,127	-3,388 **	-0,098	-2,824 **
INF			0,013	0,247	0,015	0,282	-0,068	-1,381	0,038	0,815
$MARKUP_i$					-0,310	-1,663 *	-0,029	-0,177	-0,433	-3,060 **
$MARKUP*LWC_i$					0,040	1,683 *	0,004	0,187	0,033	1,840 *
LQ_i									0,266	21,027 **
$LEMP_{i,-1}$							0,410	13,092 **	0,306	11,447 **
$LELEC_{i,-1}$							0,029	2,756 **	0,015	1,566
Fixed effects	yes		yes		yes		yes		yes	
Year effects	yes		yes		yes		yes		yes	
R-squared	0,986		0,987		0,987		0,989		0,993	
Adj. R-squared	0,983		0,984		0,984		0,987		0,991	
SE of regression	0,175		0,171		0,171		0,153		0,125	
# observations	1078		1078		1078		1078		1078	
# sectors	77		77		77		77		77	

** (*) means statistically significant at the 5% (10%) level, two tail test.