

FOREIGN PRODUCTION AND EXPORTS  
IN MANUFACTURING INDUSTRIES

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APPENDIX

TABLES A-1 through A-5

TABLE A-1

Equations Relating U.S. Exports to Developed Countries<sup>a</sup> to Market Size, U.S. and Foreign Affiliate Activity, Distance from the United States and Germany, and EEC Membership, 1970

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		EEC Membership	R <sup>2</sup>
					Mfg.	Nonmfg.		Germany	U.S.		
431	Net sales	-.669	.00762		.0153	.0126	-.01857	.000010	.000287	.0493	.751
		(.78)	(1.56)		(2.86)	(.53)	(.36)	(.16)	(1.27)	(.11)	
		-.913		.00018	.0158	.0286	-.0360	.000005	.00025	-.697	.791
	(1.16)		(2.31)	(3.65)	(1.62)	(.78)	(.82)	(1.22)	(1.22)		
	Net local sales	-.1040	.00846		.0153	.0121	.0129	-.000001	.000160	-.0746	.664
		(.11)	(1.32)		(1.62)	(.41)	(.21)	(.01)	(.62)	(.14)	
-.334			.00020	.0163	.0312	-.0046	.000004	.00012	-.933	.721	
	(.37)		(2.17)	(2.30)	(1.36)	(.08)	(.54)	(.49)	(1.39)		
432	Net sales	4.249	.1542		.00724	1.145	-1.0103	.000402	-.000438	4.330	.540
		(.46)	(3.54)		(.15)	(1.81)	(1.76)	(.61)	(.19)	(.95)	
		12.91		.001104	.0423	.7109	-.5819	.001686	-.003384	3.234	.142
	(1.06)		(.82)	(.61)	(.84)	(.76)	(2.24)	(1.14)	(.37)		
	Net local sales	5.916	.1533		-.07861	-.3513	-.09056	.000178	-.000693	7.020	.475
		(.60)	(3.26)		(1.37)	(.47)	(.14)	(.25)	(.28)	(1.51)	
13.77			.001487	-.0383	-.6508	.2376	.001490	-.003663	2.968	.125	
	(1.12)		(1.09)	(.50)	(.66)	(.28)	(1.96)	(1.22)	(.34)		

(cont.)

<sup>a</sup>  
Other than Canada.

TABLE A-1 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		EEC Membership	-2 R
					Mfg.	Nonmfg.		Germany	U.S.		
433	Net sales	3.623	.11219		.09588	.01954	-.4125	.002237	.000157	18.95	.823
		(.25)	(1.90)		(5.43)	(.64)	(2.23)	(2.32)	(.04)	(2.40)	
		7.381		.002571	.09370	.00863	-.4012	.003283	-.002164	10.01	.807
	(.50)		(1.51)	(4.69)	(.25)	(2.08)	(3.41)	(.56)	(.88)		
	Net local sales	10.532	.11045		.10740	-.10166	-.3566	.002356	-.001313	29.86	.709
		(.57)	(1.19)		(3.02)	(.49)	(1.06)	(1.91)	(.23)	(2.76)	
10.369			.002995	.10876	-.01018	-.4894	.003364	-.002650	19.06	.729	
(.59)		(1.57)	(3.51)	(.06)	(1.57)	(2.88)	(.56)	1.36			
440	Net sales	-1.1710	.01565		.03763	.13138	.01824	.000100	.000588	1.6776	.860
		(.51)	(1.57)		(5.25)	(2.39)	(.12)	(.67)	(.95)	(1.37)	
		-2.5656		.001202	.02452	-.01806	.02131	.000354	.000301	-2.1201	.954
	(1.95)		(5.87)	(5.10)	(.42)	(.24)	(4.44)	(.89)	(2.18)		
	Net local sales	-.1472	.00819		.05071	.17758	-.02562	.000159	.000329	2.641	.882
		(.07)	(.84)		(6.03)	(2.97)	(.18)	(1.14)	(.58)	(2.33)	
-2.0661			.001070	.03050	.00187	.01728	.000339	.000252	1.180	.941	
(1.33)		(3.79)	(3.77)	(.03)	(.17)	(3.68)	(.65)	.90			
450	Net sales	12.79	.7361		.1971	-.0658	.0896	-.000734	-.000742	18.33	.917
		(.51)	(7.49)		(2.45)	(.65)	(.18)	(.42)	(.11)	(1.20)	
		26.79		.01393	.2298	-.1328	-.1964	.006812	-.011295	-16.32	.701
	(.55)		(2.51)	(1.32)	(.67)	(.20)	(2.32)	(.90)	(.48)		
	Net local sales	18.95	.7270		.2277	-.0960	.1018	-.000717	-.001852	20.54	.914
		(.70)	(7.08)		(2.24)	(.47)	(.19)	(.40)	(.26)	(1.34)	
33.82			.01331	.2982	-.2218	-.2071	-.006739	-.012474	-11.98	.708	
(.69)		(2.37)	(1.41)	(.58)	(.20)	(2.32)	(.98)	(.36)			

(cont.)

TABLE A-1 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		EEC Membership	R <sup>2</sup>
					Mfg.	Nonmfg.		Germany	U.S.		
461	Net sales	-49.34	.3922		.4138	.1451	-.9865	.002867	.018774	52.84	.912
		(1.27)	(2.10)		(5.08)	(1.68)	(.68)	(1.10)	(1.81)	(2.60)	
		-28.01		.00398	.4463	.1081	-.5136	.005552	.011323	45.81	.887
		(.66)		(.75)	(4.80)	(1.06)	(.31)	(1.92)	(1.03)	(1.35)	
	Net local sales	-21.94	.3704		.7817	1.6499	-2.7658	-.002882	.011771	59.25	.970
		(.99)	(3.25)		(9.74)	(5.59)	(3.08)	(1.70)	(1.98)	(4.42)	
-7.560			.00529	.8275	1.4792	-2.5221	-.000168	.005396	48.34	.955	
	(.29)		(1.67)	(8.60)	(4.15)	(2.30)	(.08)	(.79)	(2.16)		
463	Net sales	24.38	.5939		.1268	.1013	5.937	.002292	-.007493	-26.42	.885
		(.70)	(2.25)		(2.17)	(.91)	(.78)	(.90)	(.85)	(1.46)	
		37.84		.1113	.1780	-.0848	7.140	.006152	-.014079	-79.11	.860
		(1.02)		(1.36)	(3.17)	(.49)	(.86)	(2.46)	(1.44)	(1.94)	
	Net local sales	27.16	.4555		.2108	.1699	.4241	.002451	-.008372	-19.14	.904
		(.86)	1.68		(2.58)	(1.25)	(.58)	(1.08)	(1.03)	(1.19)	
36.56			.00536	.2921	.3495	6.448	.004903	-.001780	-44.87	.888	
	(1.09)		(.74)	(4.25)	(.17)	(.82)	(2.11)	(1.33)	(1.18)		
471	Net sales	-9.389	.5866		.1196	.0933	-.8027	-.000412	.004792	.3031	.855
		(.45)	(7.63)		(2.10)	(.91)	(1.05)	(.30)	(.78)	(.03)	
		22.94		.01269	.0773	-.1439	.5575	.005060	-.012346	-54.716	.731
		(.87)		(5.03)	(1.01)	(.94)	(.59)	(3.25)	(1.69)	(2.81)	
	Net local sales	-5.978	.5892		.1228	.1069	-.7913	-.000519	.004260	.6253	.833
		(.27)	(6.73)		(1.58)	(.36)	(.93)	(.34)	(.64)	(.05)	
20.79			.01499	.0875	-1.7664	.6562	.004922	-.001279	-62.19	.763	
	(.83)		(5.30)	(.95)	(1.75)	(.72)	(3.35)	(1.87)	(3.26)		

(cont.)



TABLE A-1 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		EEC Membership	-2 R
					Mfg.	Nonmfg.		Germany	U.S.		
473	Net sales	9.343	.4855		.06315	.5060	-1.673	.002844	-.000604	-16.94	.896
		(.45)	(4.53)		(2.18)	(3.00)	(2.16)	(1.75)	(.11)	(1.71)	
		24.915		.00976	.06424	.4976	-1.646	.007295	-.010003	-47.05	.774
	(.81)		(1.55)	(1.09)	(1.51)	(1.29)	(3.89)	(1.08)	1.62		
	Net local sales	12.48	.4927		.0590	.6167	-1.935	.003319	-.001159	-10.57	.883
		(.57)	(4.23)		(1.58)	(2.71)	(2.10)	(1.81)	(.20)	(1.00)	
26.05			.01054	.0550	.6288	-2.015	.007911	-.010431	-44.50	.782	
	(.87)		(1.88)	(.86)	(1.69)	(1.48)	(4.14)	(1.19)	(1.54)		
481	Net sales	-8.108	-.0698		.01786	.1130	1.766	.002397	.000927	5.134	.513
		(.38)	(.73)		(2.78)	(1.73)	(1.76)	(1.55)	(.16)	(.40)	
		-11.41		-.000830	.01668	.1043	1.871	.001750	.002239	6.362	.496
	(.52)		(.26)	(1.96)	(1.58)	(1.83)	(1.29)	(.40)	(.28)		
	Net local sales	-5.066	-.0616		.02899	.1210	1.531	.002285	.000040	5.781	.569
		(.25)	(.72)		(3.23)	(1.91)	(1.59)	(1.60)	(.01)	(.48)	
-7.410			-.001000	.02844	.1131	1.606	.001702	.001215	8.391	.556	
	(.36)		(.36)	(2.46)	(1.77)	(1.63)	(1.34)	(.23)	(.41)		
482	Net sales	43.60	1.394		-.5466	.7167	5.684	.002172	-.007518	9.603	.891
		(.90)	(9.07)		(1.27)	(1.12)	(.78)	(.83)	(.56)	(.48)	
		23.69		.02825	.3123	-.2854	-8.119	.013039	-.014407	-89.56	.629
	(.26)		(3.89)	(.42)	(.22)	(.62)	(2.82)	(.58)	(1.61)		
	Net local sales	41.67	1.398		-.5505	.6508	5.129	.002002	-.006658	5.854	.889
		(.86)	(9.14)		(1.25)	(.85)	(.72)	(.76)	(.50)	(.29)	
20.62			.02766	.4021	-.0798	-8.691	.012847	-.013316	-84.81	.632	
	(.23)		(4.02)	(.53)	(.05)	(.69)	(2.79)	(.55)	(1.59)		

(cont.)

TABLE A-1 (concl.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		EEC Membership	$\bar{R}^2$
					Mfg.	Nonmfg.		Germany	U.S.		
491	Net sales	.4754	-.01023		.1034	-.6959	.0569	.000125	.000090	7.986	.012
		(.07)	(.38)		(1.27)	(.86)	(.24)	(.29)	(.05)	(2.47)	
		-.342		.00014	.0961	-.9147	.0383	.000051	.00022	7.037	.003
		(.05)		(.17)	(1.16)	(1.07)	(.15)	(.14)	(.13)	(1.43)	
	Net local sales	.5083	-.00967		.0782	-.4926	.0440	.000104	.000141	7.533	.000
		(.08)	(.34)		(.69)	(.58)	(.18)	(.23)	(.08)	(2.18)	
		-.432		.00021	.0600	-.7239	.0180	.000036	.00027	6.232	.000
		(.06)		(.24)	(.54)	(.81)	(.07)	(.09)	(.15)	(1.18)	
495	Net sales	-2.929	.0545		.0319	.6802	.1304	.000547	.000489	1.919	.843
		(.90)	(3.25)		(1.67)	(2.70)	(.75)	(2.09)	(.57)	(.99)	
		-1.540		.00133	.0257	.4658	.1216	.000995	-.00048	-2.561	.776
		(.40)		(1.86)	(.80)	(1.20)	(.58)	(3.96)	(.51)	(.71)	
	Net local sales	-2.193	.0508		.0379	1.0081	.0193	.000509	.000507	2.106	.881
		(.75)	(3.46)		(2.04)	(3.68)	(.13)	(2.37)	(.68)	(1.28)	
		-.908		.00117	.0341	.8911	.0222	.000967	-.00045	-1.770	.825
		(.26)		(1.98)	(1.13)	(2.32)	(.12)	(4.57)	(.55)	(.56)	
496	Net sales	-6.607	.4710		-.0039	.1722	-2.474	.000686	.002146	12.04	.945
		(.63)	(8.95)		(.10)	(4.46)	(2.90)	(.93)	(.80)	(2.13)	
		14.50		.00920	-.0129	.1406	.2317	.005240	-.008670	-26.71	.752
		(.68)		(2.78)	(.12)	(1.69)	(.11)	(3.48)	(1.49)	(1.24)	
	Net local sales	-4.501	.4586		.00558	.1628	-2.663	.000708	.001871	14.27	.920
		(.36)	(7.34)		(.10)	(3.84)	(2.70)	(.79)	(.58)	(2.02)	
		14.53		.01106	-.0986	.1761	.7603	.005650	.009949	-33.83	.764
		(.70)		(3.12)	(.74)	(2.32)	(.39)	(3.81)	(1.75)	(1.47)	

TABLE A-2

Equations Relating U.S. Exports to Less Developed Countries to Market Size, United States and Foreign Affiliate Activity, and Distance from the United States and Germany, 1970

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		$R^2$
				Mfg.	Nonmfg.		Germany	U.S.	
431	Net sales	-.0915 (.07)	.00136 (2.73)	.0277 (2.32)	.00192 (.02)	-.5962 (1.95)	.000180 (1.07)	-.000318 (1.74)	.390
	Net local sales	-.1302 (.10)	.00136 (2.72)	.0288 (2.32)	.0225 (.09)	-.5894 (1.90)	.000173 (.99)	-.000308 (1.62)	.387
432	Net sales	3.636 (1.50)	-.00059 (.80)	.0979 (3.07)	3.5219 (4.34)	.1224 (.64)	-.000253 (.77)	.000127 (.35)	.579
	Net local sales	3.492 (1.46)	-.00060 (.81)	.1033 (3.19)	3.5219 (4.41)	.1085 (.57)	-.000245 (.76)	.000149 (.42)	.591
433	Net sales	5.037 (.36)	.00660 (1.40)	.2234 (2.94)	-.1149 (.35)	-.2297 (.52)	-.001812 (.86)	.001059 (.63)	.331
	Net local sales	-3.539 (.28)	.00798 (1.83)	.2741 (3.53)	.06038 (.14)	-.4196 (.99)	-.000774 (.41)	.001240 (.77)	.425
440	Net sales	2.998 (1.34)	.00129 (2.24)	.01286 (.48)	.3577 (2.67)	-.0667 (.37)	.000161 (.63)	-.000599 (2.25)	.608
	Net local sales	2.950 (1.61)	.00147 (3.30)	.00153 (.06)	.4937 (4.13)	-.0510 (.34)	.000114 (.54)	-.000533 (2.41)	.733

(cont.)

TABLE A-2 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		$\bar{R}^2$
				Mfg.	Nonmfg.		Germany	U.S.	
450	Net sales	-8.442 (.38)	-.000204 (.03)	.8707 (3.65)	.0895 (1.08)	.6964 (1.16)	.005921 (1.73)	-.001387 (.55)	.484
	Net local sales	-6.237 (.34)	.00283 (.50)	.7954 (4.14)	.2462 (1.46)	.9391 (1.81)	.004727 (1.74)	-.001310 (.59)	.594
461-463	Net sales	75.93 (2.16)	.02675 (2.44)	.6352 (1.99)	.1326 (.33)	2.9694 (1.15)	-.012990 (2.51)	.003821 (.80)	.710
	Net local sales	64.66 (1.69)	.02706 (2.50)	.7163 (2.02)	.4599 (.79)	2.7539 (1.06)	-.012214 (2.33)	.004210 (.92)	.714
471	Net sales	.2489 (.02)	.00525 (1.46)	.6260 (3.56)	-.5408 (.48)	-.04086 (.05)	-.001117 (.56)	.001734 (1.08)	.508
	Net local sales	-2.701 (.20)	.00590 (1.68)	.6695 (3.79)	-.5509 (.52)	-.19277 (.26)	-.001013 (.53)	-.002078 (1.33)	.538
473	Net sales	.3751 (.02)	.00306 (.36)	.2093 (.58)	.00719 (.02)	1.2828 (.65)	-.004763 (1.56)	.004663 (1.63)	.110
	Net local sales	.0217 (.10)	.00164 (.19)	.00722 (.02)	.09905 (.26)	1.9410 (1.0)	-.004850 (1.58)	.004522 (1.53)	.094
481-482	Net sales	83.21 (2.45)	.02514 (2.39)	.1599 (2.60)	-.8249 (.42)	-3.1810 (1.37)	-.005649 (1.14)	-.003100 (.68)	.472
	Net local sales	82.10 (2.37)	.02476 (2.34)	.1513 (2.49)	-.0171 (.01)	-2.9534 (1.28)	-.005249 (1.05)	-.003576 (.80)	.461

(cont.)

TABLE A-2 (concl.)

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		$\bar{R}^2$
				Mfg.	Nonmfg.		Germany	U.S.	
495	Net sales	2.651 (.88)	.002279 (1.83)	.2420 (3.15)	-2.4988 (2.43)	-1.3225 (1.80)	-.000649 (1.59)	.000182 (.49)	.438
	Net local sales	3.441 (1.18)	.002080 (1.71)	.2274 (3.19)	-2.8981 (2.40)	-1.0944 (1.60)	-.000774 (1.96)	.000201 (.55)	.448
496	Net sales	3.472 (1.29)	.001536 (2.03)	.1005 (.33)	.7032 (5.11)	-.3848 (.32)	-.000249 (.62)	.000067 (.19)	.903
	Net local sales	3.455 (1.23)	.001572 (2.00)	-.0320 (.11)	.8058 (6.49)	-.5459 (.43)	-.000208 (.49)	.000020 (.05)	.894

TABLE A-3

Equations Relating 13-Country Exports to Developed Countries<sup>a</sup> to Market Size, United States and Foreign Affiliate Activity, Distance from the United States and Germany, and EEC Membership, 1970

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign Owned Mfg. Affiliates	Distance from		EEC Membership	R <sup>2</sup>
					Mfg.	Nonmfg.		Germany	U.S.		
431	Net sales	17.803	.04468		-.0484	.1044	1.032	-.001436	-.001704	27.918	.685
		(1.21)	(.54)		(.53)	(.26)	(1.17)	(1.30)	(.44)	(3.55)	
		14.156		.00365	-.1132	.1089	.897	-.00063	-.00287	10.150	.833
	(1.32)		(3.47)	(1.93)	(.45)	(1.42)	(.75)	(1.01)	(1.31)		
	Net local sales	15.960	.11032		-.1792	.0340	1.411	-.001478	-.001414	27.174	.717
		(1.18)	(1.23)		(1.36)	(.08)	(1.62)	(1.38)	(.40)	(3.61)	
9.800			.00427	-.2312	.2700	1.193	-.00062	-.00223	7.470	.885	
(1.12)		(4.78)	(3.35)	(1.21)	(2.21)	(.88)	(.98)	(1.15)			
432	Net sales	26.74	.4800		-.0676	2.525	-2.347	-.001465	.001686	49.15	.779
		(1.12)	(4.24)		(.54)	(1.54)	(1.57)	(.86)	(.28)	(4.17)	
		48.01		.006248	-.0284	1.064	-.9830	.002609	-.007617	32.61	.573
	(1.50)		(1.75)	(.16)	(.47)	(.48)	(1.31)	(.97)	(1.42)		
	Net local sales	27.68	.4850		-.1921	.8307	-1.266	-.001780	.001648	55.30	.765
		(1.12)	(4.12)		(1.34)	(.44)	(.75)	1.00	(.26)	(4.76)	
48.17			.006638	-.1195	-.2992	-.1467	.002414	-.007762	33.35	.572	
(1.50)		(1.85)	(.59)	(.12)	(.06)	(1.21)	(.99)	(1.46)			

(cont.)

<sup>a</sup>

Other than Canada.

TABLE A-3 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		EEC Membership	-2 R
					Mfg.	Nonmfg.		Germany	U.S.		
433	Net sales	36.90	1.3192		.1121	.3997	1.9586	-.019761	.019033	255.1	.881
		(.35)	(3.02)		(.86)	(1.75)	(1.43)	(2.77)	(.68)	(4.35)	
		64.97		.05417	-.07141	.0885	1.6170	-.004010	-.015601	37.19	.981
	(1.56)		(11.29)	(1.27)	(.92)	(2.98)	(1.47)	(1.43)	(1.16)		
	Net local sales	65.72	1.5346		.0494	-.6127	2.9002	-.020992	.014464	247.1	.854
		(.56)	(2.59)		(.21)	(.46)	(1.34)	(2.65)	(.46)	(3.57)	
51.89			.05340	-.0343	.5539	.9881	-.005006	-.010603	33.48	.979	
(1.18)		(11.28)	(.45)	(1.25)	(1.27)	(1.73)	(.90)	(.96)			
440	Net sales	11.49	-.2035		.1951	.4751	-3.5469	-.004082	.008326	66.82	.863
		(.29)	(1.18)		(1.58)	(5.02)	(1.35)	(1.59)	(.78)	(3.16)	
		-29.60		.01362	-.06116	1.8288	-2.8881	-.003823	.011314	19.404	.899
	(.87)		(2.57)	(.49)	(1.66)	(1.28)	(1.85)	(1.29)	(.77)		
	Net local sales	27.26	-.3023		.3697	5.882	-4.4174	-.003214	.004147	75.73	.889
		(.76)	(1.84)		(2.61)	(5.83)	(1.83)	(1.36)	(.43)	(3.97)	
-29.05			.01470	-.0926	1.907	-.02829	-.003671	.010592	15.229	.901	
(.83)		(2.31)	(.51)	(1.33)	(1.24)	(1.77)	(1.22)	(.51)			
450	Net sales	286.7	3.028		2.350	-1.435	7.516	-.05294	-.00827	439.1	.833
		(.81)	(2.21)		(2.09)	(1.01)	(1.07)	(2.15)	(.09)	(2.05)	
		21.65		.15906	.3263	-.2915	-.0314	-.01432	-.01530	-30.00	.964
	(.13)		(8.38)	(.54)	(.43)	(.01)	(1.42)	(.35)	(.26)		
	Net local sales	372.2	2.727		3.144	-2.966	8.334	-.05013	-.02933	446.0	.843
		(1.08)	(1.99)		(2.31)	(1.09)	(1.18)	(2.08)	(.31)	(2.17)	
49.07			.1532	.7033	-.8033	.3594	-.014339	-.019868	-18.16	.966	
(.29)		(8.06)	(.98)	(.62)	(.10)	(1.46)	(.46)	(.16)			

(cont.)

TABLE A-3 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		EEC Membership	R <sup>2</sup>
					Mfg.	Nonmfg.		Germany	U.S.		
461	Net sales	207.6	1.0379		-.2439	.3179	19.068	-.023253	.018580	336.53	.884
		(1.25)	(1.29)		(.70)	(.86)	(3.04)	(2.07)	(.42)	(3.86)	
		202.3		.04147	-.3500	.0423	17.583	-.010902	-.001566	(67.57)	.907
		(1.41)		(2.31)	(1.11)	(.12)	(3.12)	(1.11)	(.04)	(1.46)	
	Net local sales	205.6	.9255		-.3841	-1.351	19.551	-.020271	.024317	357.1	.880
		(1.24)	(1.09)		(.64)	(.61)	(2.91)	(1.60)	(.55)	(3.56)	
		174.6		.04090	-.5496	-1.885	18.058	-.007221	.009154	185.6	.911
		(1.25)		(2.43)	(1.08)	(1.00)	(3.11)	(.64)	(.25)	(1.56)	
463	Net sales	3.412	.01642		.2168	.3456	3.512	-.000631	.002158	56.91	.966
		(.15)	(.09)		(5.54)	(4.66)	(.69)	(.37)	(.36)	(4.69)	
		7.461		-.00594	.2535	.4349	3.752	-.001042	.003465	82.66	.970
		(.35)		(1.27)	(7.88)	(4.37)	(.78)	(.73)	(.62)	(3.54)	
	Net local sales	1.066	.1583		.2380	.5390	-.9005	-.001758	.001487	75.40	.948
		(.04)	(.65)		(3.22)	(4.39)	(.14)	(.85)	(.20)	(5.18)	
		8.052		-.003983	.3124	.6046	-.8374	-.001589	.001682	93.92	.948
		(.29)		(.66)	(5.43)	(3.60)	(.13)	(.82)	(.23)	(2.95)	
471	Net sales	-28.05	.4775		-.0884	.7658	-.5987	-.001300	.039278	237.7	.794
		(.30)	(1.40)		(.35)	(1.68)	(.18)	(2.15)	(1.44)	(4.94)	
		-51.81		.02462	-.0812	.1997	-.1597	-.008776	.033382	120.7	.905
		(.89)		(4.43)	(.48)	(.59)	(.77)	(2.55)	(2.07)	(2.81)	
	Net local sales	-17.25	.3259		-.1458	2.2388	-.7543	-.011470	.036510	228.9	.803
		(.19)	(.92)		(.46)	(1.87)	(.22)	(1.88)	(1.37)	(4.88)	
		-54.84		.02595	-.0667	.0100	-1.7537	-.009044	.034137	111.87	.902
		(.92)		(3.83)	(.30)	(.01)	(.80)	(2.57)	(2.08)	(2.45)	

( cont. )



TABLE A-3 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		EEC Membership	$\bar{R}^2$
					Mfg.	Nonmfg.		Germany	U.S.		
473	Net sales	-60.52	-.6769		.1878	2.287	-7.632	.001973	.039870	139.9	.679
		(.69)	(1.51)		(1.55)	(3.24)	(2.35)	(.29)	(1.71)	(3.38)	
		-50.71		.04116	-.2257	.1336	-2.068	-.004869	.014673	-39.40	.754
		(.66)		(2.64)	(1.54)	(.16)	(.65)	(1.05)	(.64)	(.54)	
	Net local sales	-34.24	-.5658		.1810	2.283	-7.580	.002775	.033819	163.8	.577
		(.34)	(1.07)		(1.07)	(2.21)	(1.82)	(.34)	(1.27)	(3.44)	
		-35.21		.04769	-.3094	-.5029	-.3346	-.005476	.006492	-67.73	.755
		(.47)		(3.38)	(1.93)	(.54)	(.10)	(1.13)	(.29)	(.93)	
481	Net sales	1.9985	-.2438		.03208	.4840	5.072	-.002570	.007905	110.7	.541
		(.02)	(.62)		(1.21)	(1.79)	(1.22)	(.40)	(.33)	(2.11)	
		-46.02		.01209	-.00485	.4759	6.563	-.003955	.011969	24.31	.560
		(.53)		(.97)	(.14)	(1.81)	(1.61)	(.73)	(.54)	(.27)	
	Net local sales	36.32	-.1830		.04461	.4839	4.856	-.003242	.007667	110.8	.532
		(.04)	(.48)		(1.12)	(1.72)	(1.14)	(.51)	(.32)	(2.07)	
		-45.51		.01188	-.00515	.4915	6.587	-.003998	.011974	23.51	.559
		(.52)		(1.02)	(.11)	(1.81)	(1.58)	(.74)	(.54)	(.27)	
482	Net sales	-71.89	1.0801		-1.154	7.062	19.72	-.036655	.089676	532.6	.721
		(.25)	(1.17)		(.45)	(1.83)	(.45)	(2.32)	(1.10)	(4.40)	
		-145.4		.0653	-1.622	2.498	9.170	-.023492	.072028	191.1	.854
		(.68)		(3.80)	(.92)	(.81)	(.30)	(2.14)	(1.22)	(1.45)	
	Net local sales	-50.58	1.2185		-1.636	7.445	22.31	-.038161	.086042	514.2	.712
		(.17)	(1.31)		(.61)	(1.61)	(.52)	(2.39)	(1.06)	(4.25)	
		-143.7		.0657	-1.769	2.648	9.051	-.023748	.072061	179.6	.855
		(.69)		(4.04)	(.99)	(.75)	(.30)	(2.18)	(1.25)	(1.42)	

(cont.)

TABLE A-3 (concl.)

Industry	U.S. Affiliate Activity Measure	Constant Term	GDP	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		EEC Membership	-2 R
					Mfg.	Nonmfg.		Germany	U.S.		
491	Net sales	76.10	.9598		-1.251	6.023	9.657	-.016608	-.008623	202.22	.443
		(.35)	(1.05)		(.45)	(.22)	(1.21)	(1.13)	(.15)	(1.83)	
		-69.55		.0910	-2.803	-31.27	-1.215	-.00266	-.01764	-183.91	.849
	(.61)		(6.26)	(1.92)	(2.08)	(.27)	(.40)	(.59)	(2.13)		
	Net local sales	74.70	.9490		-1.061	4.574	9.753	-.016378	-.008830	205.43	.438
		(.34)	(1.02)		(.30)	(.16)	(1.22)	(1.10)	(.15)	(1.81)	
-77.92			.0938	-3.819	-31.92	-1.265	-.00283	-.01673	-201.65	.851	
(.68)		(6.33)	(2.03)	(2.11)	(.28)	(.43)	(.57)	(2.26)			
495	Net sales	43.94	-.1820		.9673	4.887	-1.444	-.000220	-.002320	139.13	.864
		(.91)	(.73)		(3.42)	(1.31)	(.56)	(.06)	(.18)	(4.83)	
		-14.34		.0242	-.1583	-5.007	-1.531	-.003301	.00419	44.00	.938
	(.44)		(4.05)	(.59)	(1.54)	(.87)	(1.56)	(.53)	(1.46)		
	Net local sales	58.99	-.1927		1.105	4.437	-2.775	-.001422	-.002374	148.69	.871
		(1.23)	(.79)		(3.61)	(.98)	(1.09)	(.40)	(.19)	(5.45)	
-10.62			.0215	-.0325	-4.888	-1.115	-.002656	.00299	54.31	.936	
(.31)		(3.79)	(.11)	(1.33)	(.62)	(1.31)	(.38)	(1.78)			
496	Net sales	-7.333	.5268		.2055	-.0366	-.6253	-.007456	.018116	121.2	.821
		(.13)	(1.91)		(.98)	(.18)	(.14)	(1.93)	(1.28)	(4.10)	
		1.621		.0301	-.2975	.1266	8.843	.00101	-.00452	-30.98	.957
	(.06)		(7.53)	(2.32)	(1.26)	(3.49)	(.55)	(.64)	(1.19)		
	Net local sales	-4.611	.4920		.3154	-.0791	-.3972	-.007460	.017685	119.8	.826
		(.09)	(1.84)		(1.34)	(.44)	(.09)	(1.95)	(1.27)	(.51)	
1.569			.0327	-.4366	.0999	9.187	.00136	-.00576	-48.02	.964	
(.07)		(8.15)	(2.90)	(1.16)	(4.12)	(.81)	(.89)	(1.84)			

TABLE A-4

Equations Relating 13-Country Exports to Less Developed Countries to Market Size, United States and Foreign Affiliate Activity, and Distance from the United States and Germany, 1970

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		$\bar{R}^2$
				Mfg.	Nonmfg.		Germany	U.S.	
431	Net sales	-.3770 (.14)	.00577 (6.06)	-.1176 (5.15)	.0956 (.45)	2.114 (3.61)	-.000280 (.87)	-.000038 (.11)	.911
	Net local sales	.3975 (.15)	.00578 (6.01)	-.1249 (5.24)	-.1843 (.40)	2.000 (3.35)	-.000211 (.63)	-.000171 (.47)	.909
432	Net sales	6.039 (.60)	.03244 (10.49)	-.2687 (2.04)	-2.170 (.65)	-.6365 (.80)	-.002648 (1.95)	.000202 (.14)	.890
	Net local sales	6.468 (.65)	.03246 (10.63)	-.2891 (2.15)	-2.197 (.66)	-.5832 (.74)	-.002651 (1.99)	.000110 (.07)	.893
433	Net sales	8.658 (.49)	.03234 (5.43)	.0181 (.19)	-.4023 (.98)	1.0389 (1.85)	.001648 (.78)	.002590 (.97)	.797
	Net local sales	-11.305 (.65)	.03039 (5.04)	-.0243 (.23)	-.3683 (.62)	1.2678 (2.16)	.001640 (.74)	.003119 (1.19)	.790
440	Net sales	14.15 (1.57)	.0249 (10.71)	-.4969 (4.61)	-.7607 (1.41)	-.2316 (.32)	-.003673 (3.58)	.000878 (.82)	.911
	Net local sales	13.41 (1.74)	.0249 (13.26)	-.4677 (4.75)	-1.3278 (2.64)	-.3798 (.61)	-.003416 (3.86)	.000647 (.70)	.933

(cont.)

TABLE A-4 (cont.)

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign-Owned Mfg. Affiliates	Distance from		$\bar{R}^2$
				Mfg.	Nonmfg.		Germany	U.S.	
450	Net sales	-18.65 (.48)	.1246 (11.26)	-1.611 (3.89)	.1657 (1.15)	2.0625 (1.97)	.003888 (.65)	-.002844 (.65)	.911
	Net local sales	5.588 (.17)	.1145 (11.45)	-1.658 (4.87)	.4216 (1.41)	1.769 (1.92)	.003657 (.76)	-.002602 (.66)	.927
461-463	Net sales	-21.87 (.49)	.1586 (11.78)	.0597 (.23)	-.6156 (1.62)	-.2901 (.09)	.006054 (.94)	-.001991 (.34)	.893
	Net local sales	-37.11 (.77)	.1570 (10.74)	.4590 (.53)	-.3122 (.20)	-1.0493 (.31)	.009200 (1.37)	-.004063 (.66)	.876
471	Net sales	-10.40 (.84)	.05718 (17.35)	-.5570 (3.46)	-.4151 (.40)	.2100 (.30)	.001861 (1.02)	-.000783 (.53)	.948
	Net local sales	-10.14 (.78)	.05686 (16.43)	-.5496 (3.16)	-.3130 (.30)	.2625 (.35)	.002099 (1.11)	-.001091 (.71)	.944
473	Net sales	-26.93 (1.28)	.03625 (4.57)	.0527 (.15)	.0792 (.22)	-.3731 (.20)	.008391 (.29)	.003511 (1.29)	.636
	Net local sales	-25.71 (1.20)	.03524 (4.47)	-.1025 (.29)	.0158 (.04)	.1035 (.06)	.000924 (.32)	.003252 (1.17)	.636
481-482	Net sales	14.16 (.11)	.2434 (6.38)	-.6918 (3.09)	-.4898 (.07)	17.37 (2.06)	-.013051 (.72)	-.018056 (1.08)	.815
	Net local sales	13.406 (.11)	.2427 (6.39)	-.7122 (3.27)	.1013 (.15)	17.84 (2.15)	-.011375 (.64)	-.020111 (1.25)	.816

(cont.)

TABLE A-4 (concl.)

Industry	U.S. Affiliate Activity Measure	Constant Term	14-Country Exports	U.S.-Owned Affiliates		No. of Foreign- Owned Mfg. Affiliates	Distance from		$\bar{R}^2$
				Mfg.	Nonmfg.		Germany	U.S.	
495	Net sales	-4.071 (.70)	.017387 (7.17)	-.4393 (2.93)	.3709 (1.85)	.7004 (.49)	.000651 (.82)	-.000589 (.82)	.882
	Net local sales	-5.367 (.93)	.01773 (7.38)	-.4079 (2.89)	4.0723 (1.70)	.2719 (.20)	.000863 (1.10)	-.000625 (.87)	.881
496	Net sales	-25.73 (1.15)	.02538 (4.03)	.6461 (.26)	.0253 (.02)	-3.701 (.37)	.000686 (.20)	.003110 (1.04)	.391
	Net local sales	-25.84 (1.15)	.02533 (4.05)	.5664 (.25)	.1120 (.11)	-3.913 (.38)	.000694 (.21)	.003101 (1.03)	.391

TABLE A-5

Equations Relating U.S. and 13-Country Exports of Bulk and Packaged Pharmaceuticals to Market Size, U.S. and Foreign Affiliate Activity, and EEC Membership, 1970

	Constant Term	Market Size	U.S. Affiliate Activity		No. of Foreign- Owned Affiliates	EEC Member- ship <sup>a</sup>	R <sup>2</sup>
			Mfg.	Nonmfg.			
U.S. EXPORTS							
<u>To Developed Countries<sup>b</sup></u>							
Bulk	1.94 (1.30)	-0.01 <sup>c</sup> (0.27)	0.04 <sup>d</sup> (1.31)	0.27 <sup>d</sup> (1.39)	-0.21 (0.69)	7.27 (2.63)	.42
Packaged	2.34 (3.29)	0.07 <sup>c</sup> (3.53)	0.03 <sup>d</sup> (1.87)	0.24 <sup>d</sup> (2.55)	-0.59 (4.12)	-1.33 (1.00)	.84
<u>To LDC's<sup>e</sup></u>							
Bulk	-0.33 (0.49)	0.01 <sup>f</sup> (1.45)	0.06 <sup>d</sup> (3.24)	0.66 <sup>d</sup> (3.15)	-0.04 (0.21)		.64
Packaged	0.42 (0.38)	0.01 <sup>f</sup> (1.77)	-0.01 <sup>d</sup> (0.47)	0.92 <sup>d</sup> (2.71)	0.06 (0.19)		.27
13-COUNTRY EXPORTS							
<u>To Developed Countries<sup>b</sup></u>							
Bulk	-1.22 (0.38)	0.20 <sup>c</sup> (2.27)	-0.23 <sup>g</sup> (2.13)	-0.37 <sup>g</sup> (0.82)	2.82 (4.09)	11.83 (1.97)	.78
Packaged	32.60 (6.23)	0.20 <sup>c</sup> (0.92)	0.08 <sup>g</sup> (0.47)	0.49 <sup>g</sup> (0.67)	-3.09 (2.76)	39.24 (4.03)	.57
<u>To LDC's<sup>e</sup></u>							
Bulk	0.87 (0.98)	0.02 <sup>f</sup> (3.65)	0.13 <sup>d</sup> (4.94)	-0.13 (0.46)	0.05 (0.21)		.82
Packaged	-10.27 (2.04)	0.30 (10.98)	-0.53 <sup>d</sup> (3.64)	-2.43 (1.57)	1.14 (0.86)		.90

- <sup>a</sup> Dummy variable. <sup>e</sup> Except Central American and Caribbean.
- <sup>b</sup> Other than Canada. <sup>f</sup> Imports of all manufactures from 14 countries.
- <sup>c</sup> Consumption of pharmaceuticals. <sup>g</sup> Net local sales.
- <sup>d</sup> Net sales.