

TABLES and FIGURES

TABLE 1: OECD Ratio of Trade to output 1970-1994

SECTORS	1970-74	1975-79	1980-84	1985-89	1990-94
3 Total manufacturing	0.13	0.16	0.18	0.19	<u>0.22</u>
313 Beverages	0.07	0.08	0.09	0.10	<u>0.12</u>
314 Tobacco	0.03	0.04	0.06	0.09	<u>0.12</u>
321 Textiles	0.14	0.16	0.20	0.21	<u>0.25</u>
322 Wearing apparel	0.10	0.12	0.12	0.15	<u>0.19</u>
323 Leather & products	0.16	0.20	0.25	0.28	<u>0.32</u>
324 Footwear	0.16	0.22	0.27	0.31	<u>0.35</u>
331 Wood products	0.08	0.09	0.11	0.11	<u>0.12</u>
332 Furniture & fixtures	0.04	0.07	0.09	0.10	<u>0.12</u>
341 Paper & products	0.12	0.13	0.15	0.17	<u>0.19</u>
342 Printing & publishing	0.04	0.04	0.04	0.04	<u>0.04</u>
351 Industrial chemicals	0.22	0.26	0.31	0.35	<u>0.39</u>
352 Other chemicals	0.10	0.13	0.19	0.19	<u>0.22</u>
353 Petroleum refineries	0.09	0.08	0.10	0.11	<u>0.11</u>
354 Petroleum & coal products	<u>0.14</u>	0.13	0.13	0.13	0.13
355 Rubber products	0.12	0.16	0.20	0.21	<u>0.25</u>
356 Plastic products, nec	0.06	0.07	0.08	0.08	<u>0.09</u>
361 Pottery, China etc	0.14	0.15	0.16	0.16	<u>0.17</u>
362 Glass & products	0.12	0.14	0.17	0.18	<u>0.21</u>
369 Non-metallic products, nec	0.05	0.07	0.08	0.08	<u>0.09</u>
371 Iron & Steel	0.13	0.14	0.17	0.17	0.17
372 Non-ferrous metal	0.15	0.15	0.20	0.21	<u>0.22</u>
381 Metal products	0.08	0.11	0.14	0.13	0.14
382 Non-electrical machinery	0.24	0.29	0.29	0.32	<u>0.34</u>
383 Electrical machinery	0.15	0.20	0.22	0.22	<u>0.27</u>
384 Transport equipment	0.23	0.27	0.31	0.31	<u>0.35</u>
385 Professional goods	0.18	0.23	0.25	0.29	<u>0.33</u>
Total of 26 (3 digits) sectors	0.14	0.17	0.19	0.21	<u>0.23</u>

NOTE: Export Shares are categorized into **HIGH** (bold italics)= mean + one standard deviation, **MEDIUM** (normal) = mean, and **LOW** (bold) = mean – one standard deviation, by each row.

TABLE 2: HE-GL table for OECD and EU

SECTORS	OECD				EU			
	GL		HE		GL		HE	
	1970-74	1990-94	1970-74	1990-94	1970-74	1990-94	1970-74	1990-94
	First period t ₁	Last period t ₂	First period t ₁	Last period t ₂	First period t ₁	Last period t ₂	First period t ₁	Last period t ₂
3 Total manufacturing	<u>0.85</u>	<u>0.87</u>	5.62	5.41	<u>0.87</u>	<u>0.88</u>	6.37	6.19
313 Beverages	0.47	0.65	<u>6.78</u>	<u>6.73</u>	0.54	0.72	5.05	6.32
314 Tobacco	0.49	0.43	5.97	5.01	0.57	0.55	4.15	4.99
321 Textiles	<u>0.68</u>	<u>0.74</u>	6.47	5.64	<u>0.77</u>	0.80	6.29	5.55
322 Wearing apparel	0.53	0.47	5.04	5.81	0.58	0.58	6.10	5.54
323 Leather & products	<u>0.69</u>	0.64	<u>7.86</u>	6.05	<u>0.77</u>	0.75	6.09	3.89
324 Footwear	0.36	0.35	<u>6.80</u>	6.06	0.44	0.45	5.40	3.88
331 Wood products	0.41	0.45	5.24	4.27	0.39	0.50	<u>7.12</u>	<u>7.51</u>
332 Furniture & fixtures	0.56	0.61	6.49	6.16	0.60	0.68	6.50	5.68
341 Paper & products	0.45	0.57	5.24	4.57	0.46	0.60	<u>7.69</u>	<u>7.48</u>
342 Printing & publishing	0.59	0.63	4.31	4.20	0.71	0.75	<u>6.60</u>	<u>6.77</u>
351 Industrial chemicals	0.62	0.72	5.96	5.11	0.67	0.76	5.93	6.28
352 Other chemicals	0.58	0.62	5.20	4.97	0.63	0.69	5.59	5.78
353 Petroleum refineries	0.44	0.67	5.19	5.18	0.48	0.76	5.72	5.86
354 Petroleum & coal products	0.43	0.65	5.42	4.21	0.45	0.72	4.93	4.38
355 Rubber products	0.54	0.64	5.11	5.43	0.66	0.76	5.79	5.58
356 Plastic products, nec	0.63	0.68	5.85	5.18	<u>0.76</u>	0.79	5.91	5.78
361 Pottery, China etc	0.48	0.56	<u>6.77</u>	4.65	0.63	0.76	4.63	2.98
362 Glass & products	0.57	0.68	5.77	<u>6.44</u>	0.70	0.77	5.81	5.71
369 Non-metallic products, nec	<u>0.66</u>	0.70	<u>6.71</u>	<u>7.29</u>	0.72	0.74	6.18	6.48
371 Iron & Steel	0.59	<u>0.76</u>	5.44	4.86	0.65	0.75	5.75	5.42
372 Non-ferrous metal	0.56	0.70	5.48	5.68	0.64	0.77	6.11	5.22
381 Metal products	<u>0.66</u>	<u>0.74</u>	4.88	5.36	<u>0.76</u>	<u>0.83</u>	6.35	5.56
382 Non-electrical machinery	0.56	0.66	5.05	5.30	0.65	0.76	4.90	5.01
383 Electrical machinery	0.63	0.71	5.74	4.72	<u>0.77</u>	<u>0.86</u>	5.01	4.95
384 Transport equipment	0.57	0.66	4.62	4.92	0.61	0.75	5.50	4.88
385 Professional goods	0.50	0.63	2.38	2.33	0.59	0.72	4.80	4.99
3' Total of 26 sectors	<u>0.76</u>	<u>0.81</u>	5.57	5.32	<u>0.83</u>	<u>0.88</u>	6.16	5.92
CLASSIFICATION								
HIGH = Mean + one Standard Deviation	<u>0.64</u>	<u>0.73</u>	<u>6.66</u>	<u>6.21</u>	<u>0.73</u>	<u>0.81</u>	<u>6.55</u>	<u>6.51</u>
MEDIUM = Mean	0.55	0.63	5.61	5.24	0.62	0.72	5.76	5.48
LOW = Mean - one Standard Deviation	0.46	0.53	4.56	4.26	0.51	0.62	4.97	4.45
Standard Deviation	0.09	0.10	1.05	0.98	0.11	0.10	0.79	1.03
Mean	0.55	0.63	5.61	5.24	0.62	0.72	5.76	5.48
Median	0.56	0.65	5.46	5.18	0.64	0.75	5.80	5.56

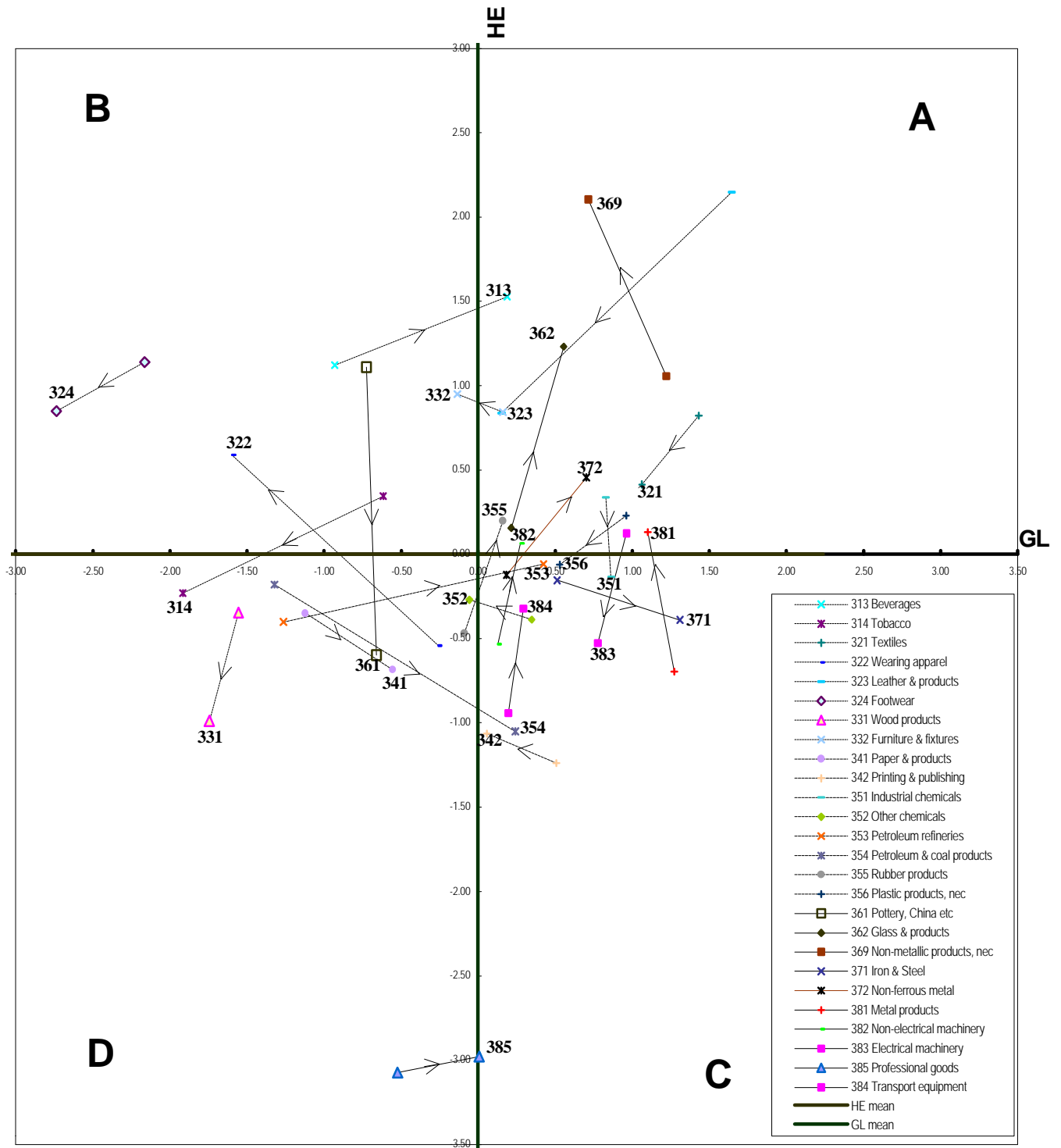
NOTE: HE and GL indices are categorized into **HIGH** (bold italics)= mean + one standard deviation, **MEDIUM** (normal) = mean, and **LOW** (bold) = mean – one standard deviation, by column.

TABLE 2a: Standardized HE-GL table for OECD and EU

SECTORS	OECD				EU			
	GL		HE		GL		HE	
	1970-74	1990-94	1970-74	1990-94	1970-74	1990-94	1970-74	1990-94
	First period t_1	Last period t_2	First period t_1	Last period t_2	First period t_1	Last period t_2	First period t_1	Last period t_2
313 Beverages	-0.93	0.19	<i>1.12</i>	<i>1.53</i>	-0.76	0.00	-0.90	0.82
314 Tobacco	-0.62	-1.92	0.34	-0.23	-0.49	-1.66	-2.05	-0.47
321 Textiles	<i>1.43</i>	<i>1.06</i>	0.82	0.41	<i>1.33</i>	0.88	0.67	0.07
322 Wearing apparel	-0.26	-1.60	-0.54	0.59	-0.40	-1.35	0.43	0.05
323 Leather & products	<i>1.64</i>	0.15	<i>2.15</i>	0.84	<i>1.34</i>	0.32	0.42	-1.55
324 Footwear	-2.16	-2.74	<i>1.14</i>	0.85	-1.67	-2.63	-0.47	-1.55
331 Wood products	-1.55	-1.74	-0.35	-0.99	-2.10	-2.16	<i>1.71</i>	<i>1.97</i>
332 Furniture & fixtures	0.16	-0.14	0.84	0.95	-0.19	-0.40	0.93	0.20
341 Paper & products	-1.12	-0.56	-0.35	-0.68	-1.49	-1.16	<i>2.44</i>	<i>1.94</i>
342 Printing & publishing	0.51	0.05	-1.24	-1.06	0.78	0.35	<i>1.06</i>	<i>1.25</i>
351 Industrial chemicals	0.83	0.86	0.34	-0.13	0.42	0.50	0.21	0.77
352 Other chemicals	0.35	-0.06	-0.39	-0.27	0.08	-0.22	-0.22	0.29
353 Petroleum refineries	-1.26	0.42	-0.40	-0.06	-1.27	0.44	-0.06	0.37
354 Petroleum & coal products	-1.32	0.24	-0.18	-1.05	-1.53	0.03	-1.05	-1.07
355 Rubber products	-0.09	0.16	-0.47	0.20	0.31	0.49	0.03	0.10
356 Plastic products, nec	0.96	0.53	0.23	-0.06	<i>1.24</i>	0.78	0.19	0.29
361 Pottery, China etc	-0.72	-0.66	<i>1.11</i>	-0.60	0.05	0.47	-1.44	-2.43
362 Glass & products	0.21	0.55	0.16	<i>1.23</i>	0.71	0.60	0.05	0.23
369 Non-metallic products, nec	<i>1.22</i>	0.71	<i>1.06</i>	<i>2.11</i>	0.87	0.29	0.52	0.97
371 Iron & Steel	0.51	<i>1.31</i>	-0.15	-0.39	0.24	0.34	-0.02	-0.06
372 Non-ferrous metal	0.18	0.70	-0.12	0.46	0.16	0.59	0.44	-0.25
381 Metal products	<i>1.27</i>	<i>1.10</i>	-0.70	0.13	<i>1.22</i>	<i>1.16</i>	0.75	0.08
382 Non-electrical machinery	0.13	0.28	-0.53	0.06	0.22	0.50	-1.10	-0.46
383 Electrical machinery	0.96	0.78	0.12	-0.53	<i>1.28</i>	<i>1.46</i>	-0.96	-0.52
384 Transport equipment	0.19	0.29	-0.94	-0.32	-0.09	0.37	-0.33	-0.58
385 Professional goods	-0.52	0.01	-3.07	-2.98	-0.26	0.02	-1.23	-0.47
CLASSIFICATION								
<i>HIGH</i> = Mean + one Standard Deviation	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>
MEDIUM = Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOW = Mean - one Standard Deviation	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
Standard Deviation	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Median	0.17	0.21	-0.14	-0.06	0.12	0.34	0.04	0.08

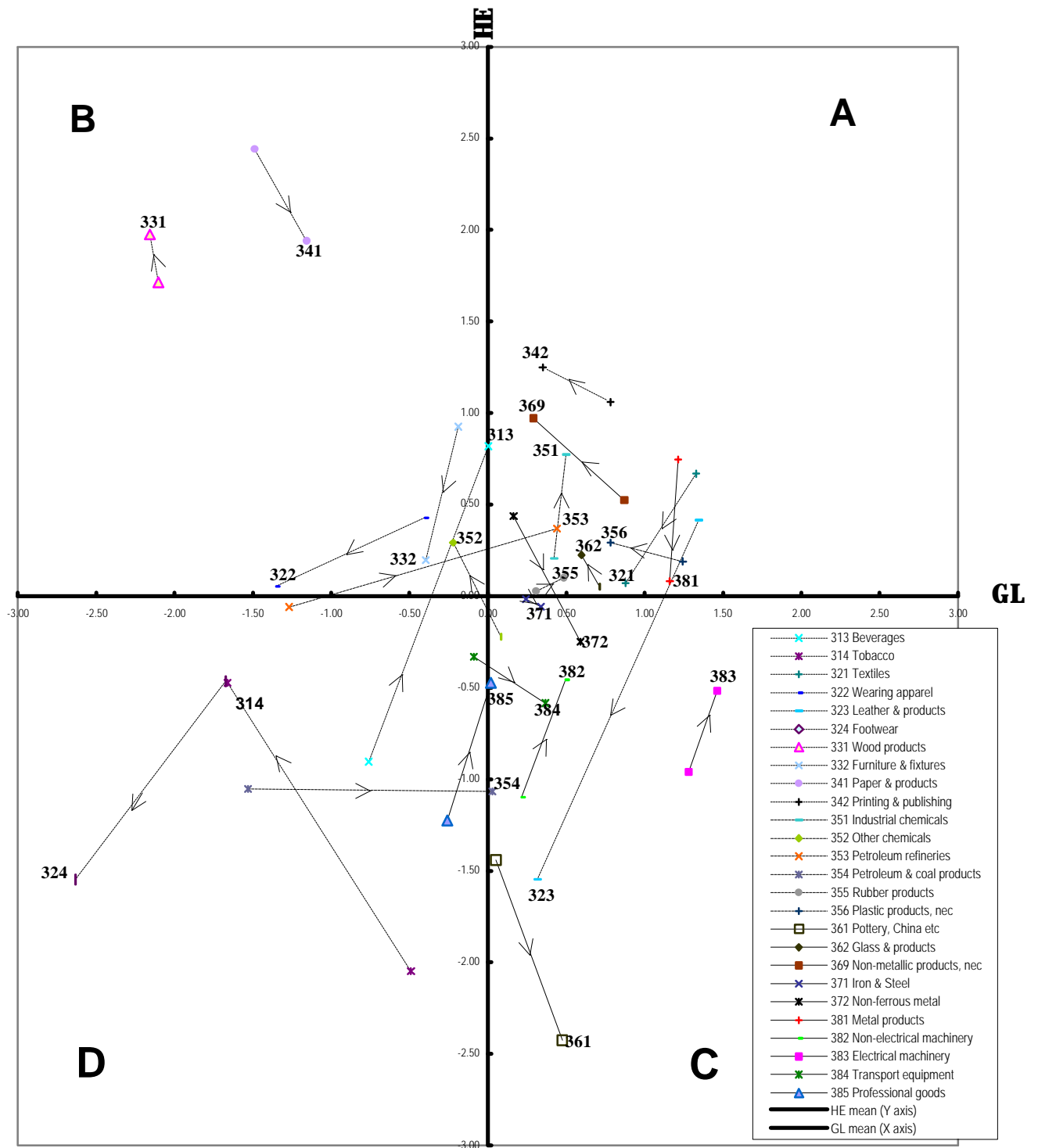
NOTE: HE and GL indices are categorized into **HIGH** (bold italics)= mean + one standard deviation, **MEDIUM** (normal) = mean, and **LOW** (bold) = mean - one standard deviation, by column.

Figure 1: OECD HE-GL Z- Score Plot



Note: The arrow shows the direction of each sector's change from t_1 to t_2 .

Figure 2: EU HE-GL Z- Score Plot



Note: The arrow shows the direction of each sector's change from t_1 to t_2 .

Table 3: OECD HE-GL Positional Data

(Value in 1997 billion US)

		DESTINATION (1990-1994)																								TOTAL										
Position		A						B						C						D																
on	Positi	SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		Prod.		Export		Import		
			First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂			
ORIGIN (1970-1974)	A	321	398	297	55	75	48	90	332	116	159	5	19	5	22	351	353	461	80	177	65	159														
		323	34	31	5	10	6	15								356	117	280	7	24	7	35														
		369	183	213	9	18	7	15								383	503	916	76	243	62	247														
		362	54	68	7	14	6	13																												
	B	313	158	191	12	23	10	20	324	46	41	8	14	6	24									314	92	108	2	13	1	8						
																								361	23	30	3	5	3	6	319	370	25	54	20	58
	C	372	202	211	31	46	48	56								342	228	435	8	18	7	16	352	256	430	25	95	20	82							
		381	451	548	35	76	25	70								371	595	424	77	70	53	62														
		382	642	965	156	331	105	290								384	766	1230	177	425	121	367														
	D	355	88	89	11	22	8	22	322	195	180	20	34	26	78	353	271	400	24	43	36	59	331	197	218	15	26	23	34							
																354	28	36	4	5	4	5	341	259	358	32	67	31	61							
															385	146	230	26	77	23	77															
Total		2210	2614	322	615	264	593		357	380	33	67	37	124		3007	4413	481	1084	379	1027		827	1144	78	205	78	191	6400	8551	914	1971	758	1935		
Share %		35	31	35	31	35	31		6	4	4	3	5	6		47	52	53	55	50	53		13	13	9	10	10	10	100	100	101	100	100	100		

TABLE 4: EU HE-GL Positional Data

(Value in 1997 billion US)

DESTINATION (1990-1994)																												TOTAL							
Position		A						B						C						D															
ORIGIN (1970-1974)	Position	SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		SEC	Prod.		Export		Import		Prod.		Export		Import	
			First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂	First t ₁	Last t ₂		
	A	321	199	146	41	58	35	60								323	21	18	4	8	4	9													
		342	85	148	6	13	4	10								372	79	77	19	25	33	33													
		351	177	207	54	117	49	114																											
		355	39	37	8	15	6	14																											
		356	51	114	6	19	5	19																											
		362	26	35	5	10	4	9																											
		369	89	109	8	15	6	11																											
		381	187	235	25	56	18	45																											
	B								322	87	81	18	30	17	42																				
									331	72	71	9	12	14	18																				
									332	58	79	5	15	4	13																				
									341	98	124	18	39	21	41																				
	C								352	117	183	19	68	15	57	371	257	160	50	52	37	42													
																382	272	405	105	190	74	168													
																383	228	342	45	122	41	130													
															361	16	22	2	4	2	3														
D	313	93	95	11	20	6	13								354	13	16	3	3	4	3	314	56	49	2	5	1	6							
	353	130	183	21	30	19	32								384	279	460	94	225	61	198	324	29	29	7	13	3	12							
															385	33	51	15	40	15	45														
Total		1075	1309	185	352	150	326		432	538	68	164	71	171		1196	1552	336	669	271	631		85	78	9	19	5	18	2789	3478	598	1204	496	1146	
Share %		39	38	31	29	30	28		15	15	11	14	14	15		43	45	56	56	55	55		3	2	1	2	1	2	100	99	100	100	100	100	

Table 5: OECD HE-GL Directional Data (Values in Billions of 1997 US)

Direction	Sector	Production		Exports		Imports		
		t ₁	t ₂	t ₁	t ₂	t ₁	t ₂	
1	313	158	191	12	23	10	20	
	353	271	400	24	43	36	59	
	385	146	230	26	77	23	77	
	Total	575	822	62	143	69	156	
	Share	9%	10%	7%	7%	9%	8%	
	Net Change		247		81		87	
	Percent of Total Change		11%		8%		7%	
	2	355	88	89	11	22	8	22
		362	54	68	7	14	6	13
		372	202	211	31	46	48	56
382		642	965	156	331	105	290	
384		766	1230	177	425	121	367	
	Total	1,752	2,563	382	838	289	749	
	Share	27%	30%	42%	43%	38%	39%	
	Net Change		811		456		460	
	Percent of Total Change		38%		43%		39%	
	3	369	183	213	9	18	7	15
381		451	548	35	76	25	70	
Total		633	761	45	95	33	86	
Share		10%	9%	5%	5%	4%	4%	
Net Change			128		50		53	
	Percent of Total Change		6%		5%		4%	
	4	322	195	180	20	34	26	78
		332	116	159	5	19	5	22
		342	228	435	8	18	7	16
		352	256	430	25	95	20	82
Total		794	1,205	59	166	58	199	
	Share	12%	14%	6%	8%	8%	10%	
	Net Change		411		107		141	
	Percent of Total Change		19%		10%		12%	
	5	314	92	108	2	13	1	8
		323	34	31	5	10	6	15
324		46	41	8	14	6	24	
356		117	280	7	24	7	35	
Total		289	460	23	61	21	82	
	Share	5%	5%	2%	3%	3%	4%	
	Net Change		171		38		61	
	Percent of Total Change		8%		4%		5%	
	6	321	398	297	55	75	48	90
		331	197	218	15	26	23	34
383		503	916	76	243	62	247	
Total		1,098	1,431	147	344	134	372	
Share		17%	17%	16%	17%	18%	19%	
	Net Change		333		198		238	
	Percent of Total Change		15%		19%		20%	
	7	351	353	461	80	177	65	159
		361	23	30	3	5	3	6
		Total	376	491	83	182	68	165
Share		6%	6%	9%	9%	9%	9%	
Net Change			115		99		97	
	Percent of Total Change		5%		9%		8%	
	8	341	259	358	32	67	31	61
		354	28	36	4	5	4	5
		371	595	424	77	70	53	62
		Total	883	818	113	142	88	127
Share		14%	10%	12%	7%	12%	7%	
	Net Change		(65)		29		39	
	Percent of Total Change		-3%		3%		3%	
		Grand Total	6,400	8,551	914	1,971	758	1,935
		Share	100%	100%	100%	100%	100%	100%
		Total Net Change		2,151		1,057		1,177
Percent of Total Change			100%		100%		100%	

Table 6: EU HE-GL Directional Data

Direction	Sector	Production		Exports		Imports	
		t ₁	t ₂	t ₁	t ₂	t ₁	t ₂
1	353	130	183	21	30	19	32
	355	39	37	8	15	6	14
	Total	169	220	29	45	24	46
	Share	6%	6%	5%	4%	5%	4%
	Net Change		51		15		21
2	Percent of Total Change		7%		3%		3%
	313	93	95	11	20	6	13
	351	177	207	54	117	49	114
	382	272	405	105	190	74	168
	383	228	342	45	122	41	130
3	385	33	51	15	40	15	45
	Total	802	1,101	229	489	184	469
	Share	29%	32%	38%	41%	37%	41%
	Net Change		298		260		285
	Percent of Total Change		43%		43%		44%
4	314	56	49	2	5	1	6
	331	72	71	9	12	14	18
	352	117	183	19	68	15	57
	362	26	35	5	10	4	9
	Total	272	339	35	96	34	90
5	Share	10%	10%	6%	8%	7%	8%
	Net Change		67		61		55
	Percent of Total Change		10%		10%		9%
	342	85	148	6	13	4	10
	356	51	114	6	19	5	19
6	369	89	109	8	15	6	11
	Total	224	371	19	47	15	40
	Share	8%	11%	3%	4%	3%	3%
	Net Change		146		27		25
	Percent of Total Change		21%		5%		4%
7	322	87	81	18	30	17	42
	Total	18	30	17	42	17	42
	Share	3%	2%	3%	2%	3%	4%
	Net Change		(6)		12		25
	Percent of Total Change		-1%		2%		4%
8	321	199	146	41	58	35	60
	323	21	18	4	8	4	9
	324	29	29	7	13	3	12
	332	58	79	5	15	4	13
	381	187	235	25	56	18	45
9	Total	493	507	82	150	64	139
	Share	18%	15%	14%	12%	13%	12%
	Net Change		14		68		75
	Percent of Total Change		2%		11%		12%
10	341	98	124	18	39	21	41
	361	16	22	2	4	2	3
	372	79	77	19	25	33	33
	Total	193	223	39	68	56	77
	Share	7%	6%	7%	6%	11%	7%
11	Net Change		30		29		22
	Percent of Total change		4%		5%		3%
	371	257	160	50	52	37	42
	354	13	16	3	3	4	3
	384	279	460	94	225	61	198
12	Total	549	636	147	280	102	244
	Share	20%	18%	25%	23%	21%	21%
	Net Change		87		133		141
	Percent of Total Change		13%		22%		22%
13	Total	2,789	3,478	598	1,204	496	1,146
	Share	100%	100%	100%	100%	100%	100%
	Total Net Change		688		606		650
	Percent of Total Change		100%		100%		100%

Note: The direction is constructed in the following way:
 Example: Direction 1 and 2 refer to a sector has increase in HE and GL from 70s to 90s, which means increase in location spread with increasing intra-industry trade.
 Direction 3 and 4 refer to increase in locational spread and decrease in intra-industries trade.
 Direction 5 and 6 show decrease in locational spread (or increase in concentration) with decrease in intra-industries trade.
 Direction 7 and 8 show decrease in locational spread with increase in intra-industries trade.

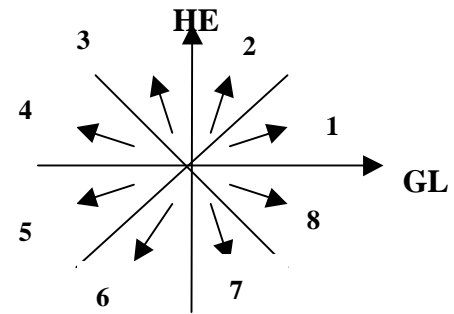


Table 7: Summary Results of OLS Regression Across Time, 1970-1994

I GRUBEL-LLOYD (GL)		Parameter	T -stat	Adjusted R²
A. EU	Regression 1	0.004611	23.522	0.8942
B. OECD	Regression 1	0.003892	21.290	0.8815

II HERFINDAHL EQUIVALENT INDEX (HE)		Parameter	T -stat	Adjusted R²
A. EU	Regression 1	0.013093	-6.698	0.8630
B. OECD	Regression 1	-0.017303	-8.644	0.8716

Figure 3: OECD GL Box Plot 1970-1994

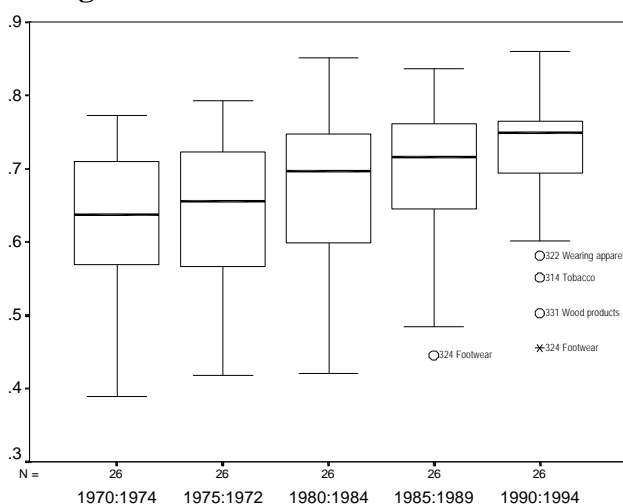


Figure 4: EU GL Box Plot 1970-1994

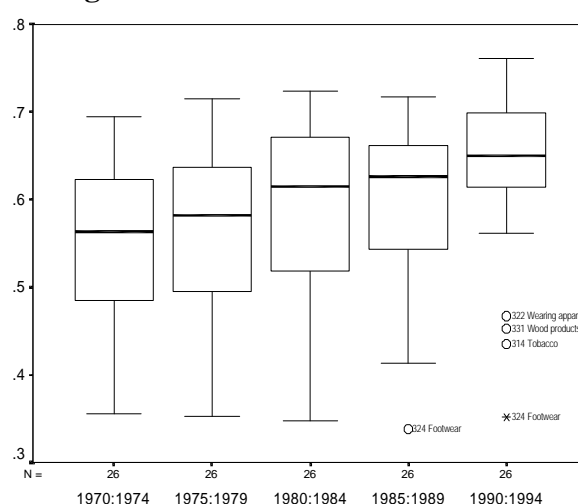


Figure 5: OECD HE Box Plot 1970-1994

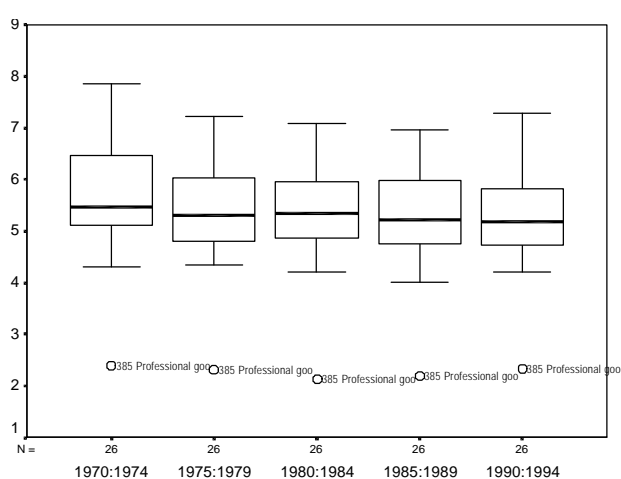


Figure 6: EU HE Box Plot 1970-1994

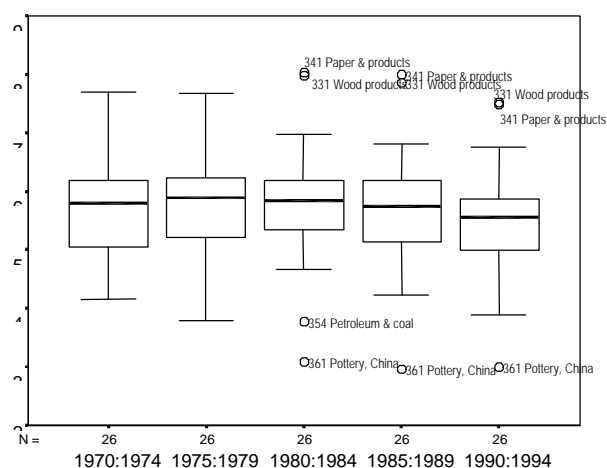
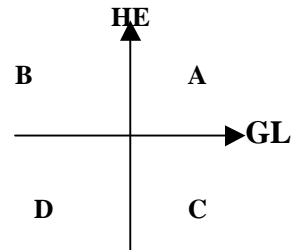


Table 8. Summary of HE-GL Positional Analysis

OECD	Production	Export	Import
HE-GL Position	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$
A	27%(8) \rightarrow 31%(9)	27%(8) \rightarrow 31%(9)	27%(8) \rightarrow 31%(9)
B	5%(4) \rightarrow 4%(3)	3%(4) \rightarrow 3%(3)	3%(4) \rightarrow 6%(3)
C	49%(7) \rightarrow 52%(9)	56%(7) \rightarrow 55%(9)	50%(7) \rightarrow 53%(9)
D	19%(7) \rightarrow 13%(5)	15%(7) \rightarrow 10%(5)	20%(7) \rightarrow 10%(5)

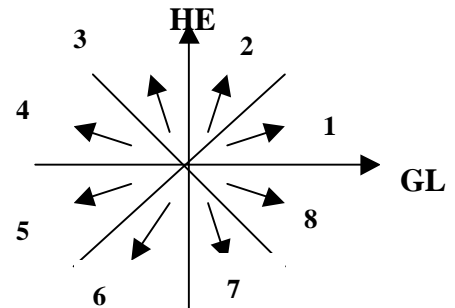


EU	Production	Export	Import
HE-GL Position	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$	$t_1 \rightarrow T_2$
A	34%(10) \rightarrow 38%(10)	29%(10) \rightarrow 29%(10)	33%(10) \rightarrow 28%(10)
B	11%(4) \rightarrow 15%(5)	8%(4) \rightarrow 14%(5)	11%(4) \rightarrow 15%(5)
C	32%(5) \rightarrow 45%(9)	37%(5) \rightarrow 56%(9)	34%(5) \rightarrow 55%(9)
D	23%(7) \rightarrow 2%(2)	26%(7) \rightarrow 2%(2)	22%(7) \rightarrow 2%(2)

Note: The value in parentheses refers to number of sectors 3-digit sectors in each period. It shows the change in number of sectors from t_1 to t_2 .

Table 9. Summary of HE-GL Directional Analysis

OECD	Production	Export	Import
HE-GL Direction	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$
1(2) + 2(6)	36% \rightarrow 40%	49% \rightarrow 50%	47% \rightarrow 47%
3(2) + 4(4)	22% \rightarrow 23%	11% \rightarrow 13%	12% \rightarrow 14%
5(4) + 6(3)	23% \rightarrow 23%	18% \rightarrow 20%	21% \rightarrow 23%
7(3) + 8(2)	20% \rightarrow 16%	21% \rightarrow 16%	21% \rightarrow 16%



EU	Production	Export	Import
HE-GL Direction	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$	$t_1 \rightarrow t_2$
1(3) + 2(5)	35% \rightarrow 38%	43% \rightarrow 45%	43% \rightarrow 45%
3(4) + 4(3)	18% \rightarrow 21%	9% \rightarrow 12%	10% \rightarrow 12%
5(1) + 6(5)	21% \rightarrow 17%	17% \rightarrow 14%	16% \rightarrow 16%
7(3) + 8(2)	27% \rightarrow 24%	32% \rightarrow 29%	32% \rightarrow 29%

NOTE: The number in parentheses refers to number of 3-digit sectors in each direction.

Directions 1 + 2 refer to increase in production spread (HE) and increase in intra-industry trade (GL).

Directions 3 + 4 refer to increase in production spread (HE) and decrease in intra-industry trade (GL).

Directions 5 + 6 refer to decrease in production spread (HE) and decrease in intra-industry trade (GL).

Directions 7 + 8 refer to decrease in production spread (HE) and increase in intra-industry trade (GL).

Table 10: Shares of Total Change in HE-GL directional analysis

OUTPUT		GL (Intra-Industrial Trade)	
		High	Low
HE (Production Spread)	High	(direction 1 + 2) OECD: 49% EU: 50%	(direction 3 + 4) OECD: 25% EU: 31%
		(direction 7 + 8) OECD: 2% EU: 17%	(direction 5 + 6) OECD: 23% EU: 1%
	Low		

Figure 7: OECD RSCA Specialization Graph

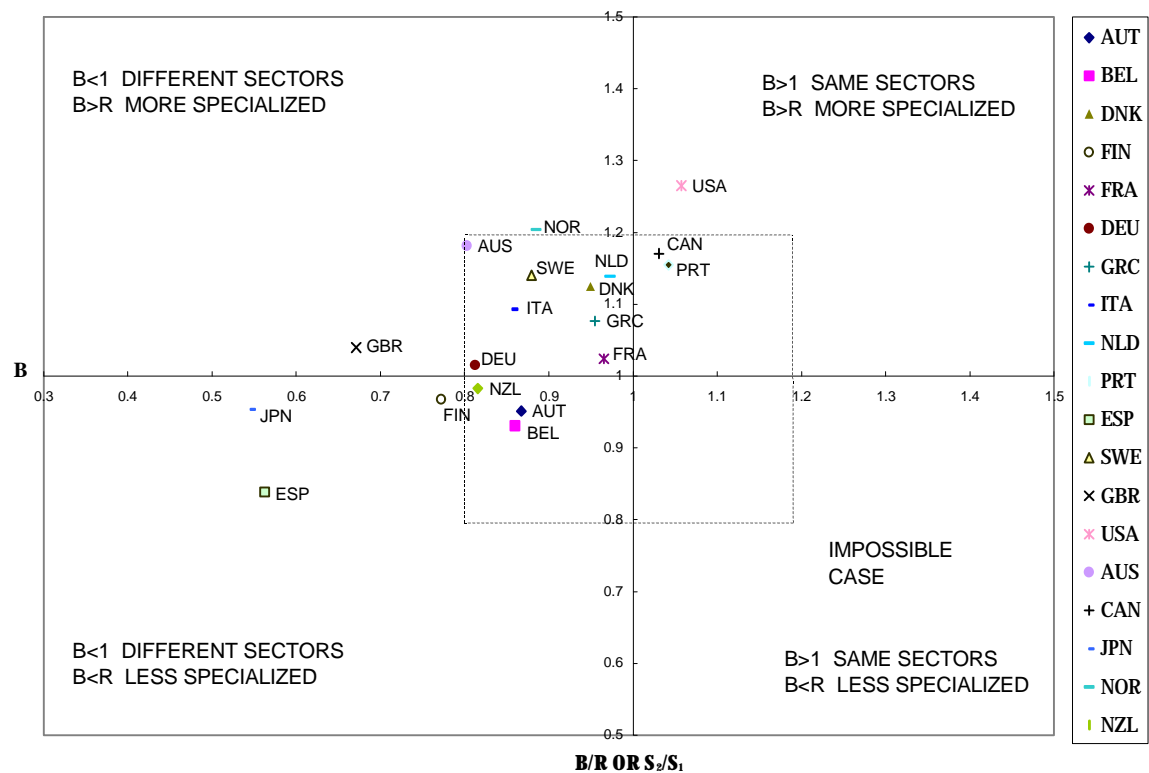


Figure 8: EU RSCA Specialization Graph

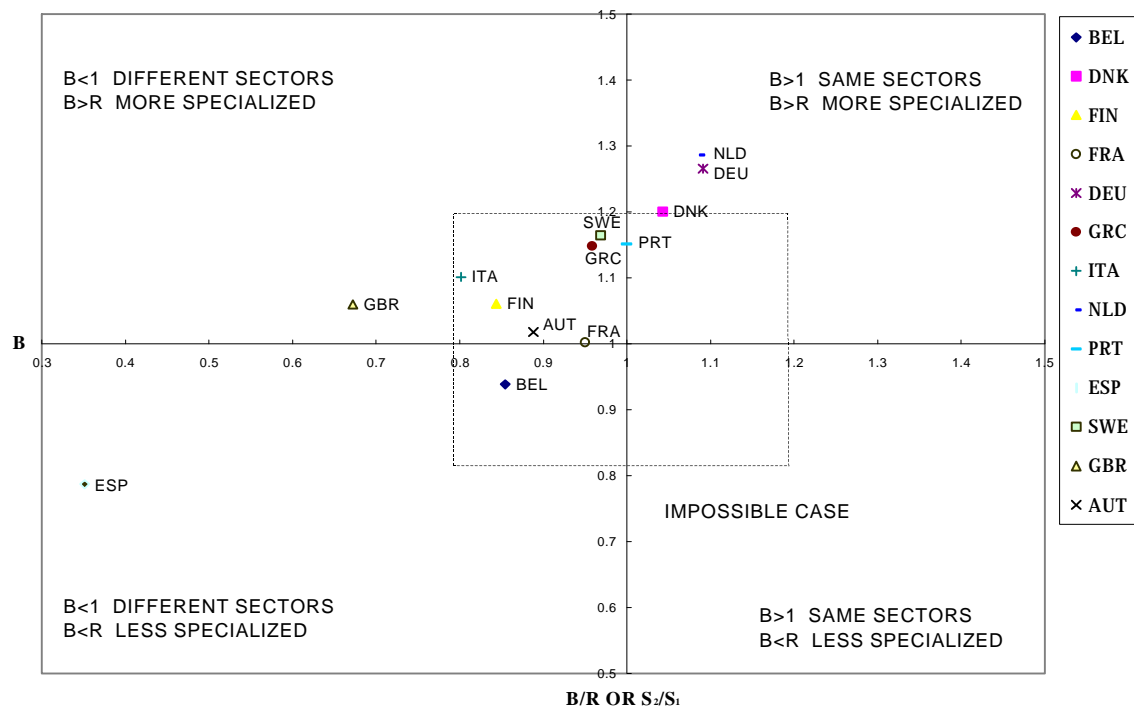


FIGURE 9: Stylized Scenarios of Location (HE) and Intra-Industry Trade (GL)

