



Pairwise Comparisons of Social Development of Selected Countries: 1960-1994: An Application of D2-Statistics

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KRISHNA MAZUMDAR

PAIRWISE COMPARISONS OF SOCIAL DEVELOPMENT OF
SELECTED COUNTRIES: 1960–1994: AN APPLICATION OF
D²-STATISTICS

(Accepted 25 July 1997)

ABSTRACT. The paradigm of development has shifted from gross national product to human well-being: from economic growth to social development. It has been broadly accepted that economic growth does not automatically translate into a better quality of life. Consequently, the main objective of the most of the countries is to achieve better standard of living for their people. In this context it is of interest to have a look at the pairwise convergence or divergence of countries in social development over a period of time. This study uses D²-statistics to obtain a pairwise distance matrix for the sample countries for each point of time 1960 and 1994. The paper presents a gap matrix portraying the change in the distances between each pair of country over the period. This also finds distance of a country from all other countries. All the analysis has been offered for the entire sample as well as three income groups low, middle and high.

1. INTRODUCTION

The paradigm of development has shifted from gross national product to human well-being: from economic growth to social development. In reality, many human choices extend far beyond economic well-being. Knowledge, health, a clean physical environment, and simple pleasures of life are not exclusively, or largely, dependent on income. National wealth can expand peoples' choices in these areas. But it might not. The use that people make of their real wealth is their people, an excessive obsession with creating material wealth can obscure the goal of enriching human lives. It has been broadly accepted that economic growth does not automatically translate into a better quality of life. Consequently, the main objective of the countries is to achieve better standard of living for their people. In this context, it is of interest to measure the pairwise distance between the countries in the social development. Convergence or divergence of countries in terms of their social development over a period of time is also of significance. The study attempts to observe the change of

position of a particular country compared to all other countries in the achievement of social development over the period.

2. SAMPLE, VARIABLES AND DATA

The principle followed in choosing the samples is wide representation of countries from various income levels and various geographical regions. The sample consists of 92 countries. Broadly these countries may be divided into three income groups: low, middle and high. The classification is based on the World Bank classification of countries on the basis of 1960 per capita gross domestic product.

The choice of variables is governed by two apparently conflicting principles: the maximum coverage of various aspects of social development and parsimony regarding the number of variables. The variables chosen are:

Broad group	Variable chosen
Population	Urban population as percentage of total population
Demographic characteristics	Life expectancy (years)
Health and nutrition	Calorie supply per capita as percentage of requirement
Education	Adult literacy as percentage of total population over age 15 Teacher pupil ratio in the primary level of education
Consumption	Passenger car per 1000 of population

All the variables chosen here are related to the outcomes of a development process. These variables are considered to be representative of the list of variables within the broad group (World bank, 1983). Some of these variables are considered to be the representative variables in Hicks-Streeten (1979) study. For example:

TABLE I
PAIRWISE DISTANCE MATRIX: 1960

	1	2	3	4	5	6	7	8	9	10
1 BANGLADESH	0.00									
2 BENIN	51.47	0.00								
3 BURUNDI	15.61	56.63	0.00							
4 CAFRREP	42.90	18.57	49.50	0.00						
5 EGYPT	51.03	86.22	46.18	73.29	0.00					
6 ETHIOPIA	19.36	33.74	26.50	27.65	60.92	0.00				
7 GAMBIA	69.50	19.85	74.32	33.48	100.40	52.62	0.00			
8 GHANA	26.43	68.96	27.63	56.39	27.10	39.01	85.50	0.00		
9 GUINEA	51.41	9.36	58.72	18.49	89.01	34.43	23.45	69.91	0.00	
10 HAITI	27.52	28.71	35.68	19.15	62.08	11.88	46.46	41.78	29.00	0.00
11 HONDURUS	35.03	75.00	38.91	63.72	32.32	47.50	89.45	18.66	75.77	48.98
12 INDIA	18.58	48.14	26.42	37.38	44.29	21.84	63.90	23.24	49.11	22.22
13 KENYA	25.62	70.19	16.94	61.31	34.89	39.53	87.24	20.51	72.29	46.53
14 LIBERIA	48.60	22.33	50.82	21.78	70.52	33.14	31.46	58.54	29.38	26.34
15 MADAGASCAR	53.19	100.55	46.16	90.37	36.08	69.88	116.80	38.43	102.43	76.24
16 MALAWI	48.56	21.70	57.67	28.26	87.21	34.79	29.95	67.19	19.25	30.27
17 MOZAMBIQUE	14.84	47.12	13.70	39.95	54.03	17.37	65.87	33.21	48.37	26.88
18 MYANMAR	42.08	73.90	49.95	64.67	50.76	51.61	85.80	36.55	73.75	51.53
19 NICARAGU	52.01	79.15	50.96	66.86	21.63	58.78	90.53	31.87	82.03	57.03
20 NIGER	40.72	15.38	43.24	19.89	76.11	23.39	33.62	58.92	20.56	22.71
21 NIGERIA	25.67	30.76	35.93	27.20	71.80	12.78	49.30	48.25	28.41	16.66
22 PAKISTAN	19.23	49.13	25.52	35.82	44.03	21.08	66.76	22.42	49.46	21.87
23 RWANDA	13.99	62.56	14.62	53.80	49.55	29.99	81.27	26.51	62.61	39.04
24 SIERRALEONE	76.88	34.45	86.04	42.48	114.15	60.55	31.37	94.57	28.41	53.91
25 SRILANKA	108.18	154.66	104.99	144.41	80.30	124.21	169.36	89.38	156.15	128.59
26 SUDAN	14.20	42.21	24.11	32.29	56.81	11.45	61.22	33.08	41.40	17.76
27 TANZANIA	15.17	55.68	10.14	47.54	47.90	23.91	74.43	27.12	57.00	32.88
28 TOGO	28.17	25.58	32.96	20.47	63.89	10.92	43.90	44.82	27.94	9.98
29 UPPPERVOLTA	95.58	48.06	102.90	61.37	132.89	78.45	36.87	114.49	45.48	73.03
30 ZAIRE	20.42	62.09	22.27	51.63	34.04	33.37	77.78	13.86	63.50	37.06
31 ZAMBIA	22.65	63.06	29.23	49.90	36.97	34.59	79.38	13.33	62.83	36.09
32 ZIMBABWE	57.02	98.41	51.24	89.62	36.44	70.49	112.79	41.10	101.07	74.92
33 ALGERIA	146.25	193.08	139.61	180.63	117.58	161.84	210.57	128.58	194.24	167.49
34 ARGENTINA	148.29	185.98	145.76	173.35	105.77	161.21	197.09	124.26	188.10	161.48
35 BARBADOS	127.73	169.31	126.60	158.69	97.50	142.28	181.58	107.91	170.59	144.28
36 BOLIVIA	28.00	57.46	40.82	44.90	51.59	33.86	72.27	28.80	55.47	31.76
37 BRAZIL	74.68	111.95	74.80	99.24	38.86	86.70	124.37	50.97	113.43	86.61
38 CAMEROON	10.63	46.50	18.63	35.52	46.99	16.73	64.07	24.45	47.06	21.32
39 CHILE	103.73	136.29	105.29	123.14	67.64	114.51	146.25	80.84	137.44	112.60
40 COLOMBIA	84.16	125.35	83.89	111.91	47.96	98.03	138.88	60.16	126.33	98.91
41 CONGO	32.15	43.07	36.65	29.72	46.99	25.90	57.92	32.22	44.90	19.65
42 COSTARICA	108.29	151.01	106.88	139.72	75.86	123.03	164.08	87.14	152.40	125.23
43 CYPRUS	154.55	199.42	150.45	188.10	121.25	169.88	213.87	134.11	200.99	173.40
44 DOMINICREP	65.56	107.89	67.00	96.16	42.65	80.00	121.59	45.36	108.57	81.76
45 ECUADOR	59.31	96.58	66.15	84.29	50.42	71.34	109.50	43.23	95.72	70.86
46 ELSALVADOR	51.45	90.57	56.22	76.75	35.31	63.52	105.01	29.70	90.26	63.19

TABLE I
CONTINUED

	1	2	3	4	5	6	7	8	9	10
47 GREECE	144.95	188.68	140.33	177.25	106.52	159.82	202.36	122.90	190.96	163.00
48 GUATEMALA	74.69	119.79	69.29	106.98	39.30	89.64	135.88	52.46	121.47	93.58
49 GUYANA	119.03	163.48	116.46	152.98	88.55	134.60	176.96	99.41	165.03	137.94
50 IRAN	31.92	53.60	37.79	38.57	43.03	31.12	69.66	26.11	53.78	27.21
51 IRAQ	44.27	76.96	44.17	61.58	23.47	51.88	92.43	22.28	78.02	51.21
52 IRELAND	177.34	216.96	172.79	206.72	140.53	191.13	228.51	156.67	219.55	193.42
53 ISRAEL	166.64	207.26	162.76	194.14	122.95	180.44	219.82	142.27	209.44	181.79
54 JORDAN	47.08	83.31	48.18	68.48	19.34	57.32	97.98	21.62	84.23	56.82
55 KOREAREP	99.10	145.59	96.67	134.06	69.19	115.33	160.36	78.90	146.76	119.11
56 MALAYSIA	98.11	143.94	92.59	132.82	64.14	113.83	158.99	77.60	146.02	118.26
57 MAURITIUS	106.13	150.60	101.53	139.16	69.56	121.22	165.01	84.29	152.68	124.70
58 MEXICO	100.15	139.01	97.19	126.69	58.17	113.14	151.34	76.20	141.25	114.15
59 MOROCCO	31.69	51.84	32.14	39.12	37.47	30.80	66.92	25.77	54.36	28.54
60 PANAMA	116.41	160.18	113.30	148.26	79.73	131.36	174.02	94.01	161.87	133.98
61 PAPUANG	13.33	52.56	28.16	44.99	59.45	22.83	70.07	33.07	50.71	28.95
62 PARAGUAY	100.71	142.97	97.84	131.76	65.40	115.32	155.98	79.28	144.96	117.87
63 PERU	60.58	80.75	67.19	68.82	50.90	65.39	89.22	47.45	81.14	60.46
64 PHILIPPINES	79.77	123.17	79.89	111.69	53.21	94.84	136.81	59.58	124.07	97.15
65 PORTUGAL	99.28	141.88	94.29	132.17	65.91	113.48	155.53	79.22	144.49	117.16
66 SURINAME	120.15	163.65	118.63	151.17	84.88	135.24	177.12	97.76	164.77	137.22
67 SYRIANAR	46.50	83.34	44.24	70.05	9.89	56.74	98.06	20.73	85.38	57.54
68 THAILAND	75.35	121.44	73.95	111.74	56.26	91.50	135.99	58.95	122.56	95.92
69 TRIN&TOB	138.87	183.21	136.38	173.11	111.02	154.43	196.71	120.50	184.48	157.91
70 TURKEY	52.45	46.68	58.03	41.26	63.69	45.04	51.91	53.95	49.68	37.51
71 URUGUAY	158.21	197.07	156.28	183.73	117.13	171.48	208.94	134.08	198.58	171.70
72 VENEZUELA	112.58	151.36	111.68	137.25	73.81	125.51	164.26	88.35	152.29	125.47
73 AUSTRALI	268.45	297.75	266.27	288.19	240.03	278.67	306.36	251.49	299.15	278.59
74 AUSTRIA	169.81	209.54	166.07	198.85	133.01	183.68	221.11	148.72	211.83	185.59
75 BELGIUM	171.49	205.18	164.02	193.95	132.66	181.74	217.87	150.87	208.37	183.60
76 CANADA	285.53	312.42	283.72	304.02	261.52	294.89	320.40	270.78	313.57	294.87
77 DENMARK	200.80	238.17	197.44	226.67	162.95	213.74	249.19	179.13	240.21	214.65
78 FINLAND	172.45	216.24	168.38	205.42	137.52	187.78	229.40	151.92	218.21	191.00
79 FRANCE	211.02	245.58	207.64	235.51	177.52	223.06	255.61	191.74	247.69	223.98
80 FRG	187.46	224.80	184.83	212.75	149.17	200.41	235.81	165.23	226.58	200.90
81 HONGKONG	163.06	201.61	158.90	187.79	116.69	175.90	213.93	137.76	203.94	176.58
82 ICELAND	205.00	243.31	201.99	231.15	166.81	218.23	254.82	182.82	245.04	219.08
83 ITALY	157.33	197.68	153.91	185.86	117.69	171.20	209.80	134.55	199.80	172.73
84 JAPAN	164.77	207.99	161.85	195.34	125.69	179.73	221.16	141.82	209.61	181.84
85 NETHERLAND	189.92	230.02	186.54	217.36	148.42	203.73	242.02	166.32	232.01	204.85
86 NEWZEALAND	283.21	310.29	280.76	301.67	256.19	292.67	318.05	267.33	311.93	292.56
87 NORWAY	179.57	222.75	175.73	212.48	147.31	194.56	235.90	160.09	224.56	197.82
88 SINGAPORE	168.24	205.29	164.38	190.78	122.83	180.42	217.73	143.03	207.24	180.49
89 SPAIN	144.11	186.04	140.82	173.83	103.98	158.40	198.92	120.87	188.05	160.32
90 SWEDEN	240.78	274.23	238.47	263.86	210.59	252.35	284.37	222.52	275.54	252.90
91 UK	213.20	247.87	209.90	236.40	175.04	225.24	257.93	191.67	250.02	225.46
92 USA	381.16	401.72	379.77	395.23	362.58	388.46	407.58	369.62	402.63	388.01

TABLE I
CONTINUED

	11	12	13	14	15	16	17	18	19	20
11 HONDURUS	0.00									
12 INDIA	27.33	0.00								
13 KENYA	31.61	31.68	0.00							
14 LIBERIA	63.70	39.11	61.29	0.00						
15 MADAGASCAR	41.32	57.37	31.94	90.01	0.00					
16 MALAWI	68.43	44.47	70.05	32.76	98.52	0.00				
17 MOZAMBIQUE	45.78	26.49	27.21	44.78	57.80	50.15	0.00			
18 MYANMAR	20.41	32.69	47.35	64.74	57.70	62.07	55.03	0.00		
19 NICARAGUA	27.91	39.03	43.03	61.80	50.30	77.45	57.17	39.60	0.00	
20 NIGER	67.19	40.31	57.56	22.19	88.19	29.41	33.85	69.37	72.09	0.00
21 NIGERIA	54.92	30.09	49.37	37.70	78.72	27.98	26.13	55.47	68.54	24.40
22 PAKISTAN	35.19	15.64	31.15	42.04	58.13	50.48	21.26	45.27	44.48	39.67
23 RWANDA	38.64	29.74	20.79	59.66	45.51	61.61	18.01	49.84	56.07	50.22
24 SIERRALEONE	98.95	73.78	99.09	52.50	128.89	36.41	75.10	93.97	105.42	48.08
25 SRILANKA	81.99	107.68	90.04	141.82	63.29	148.11	115.97	91.11	87.89	144.44
26 SUDAN	43.90	21.20	35.48	41.67	64.49	42.74	14.51	50.29	57.09	32.11
27 TANZANIA	41.11	26.99	20.18	51.16	49.88	57.84	9.95	53.05	53.73	42.41
28 TOGO	52.88	26.26	45.27	23.97	76.19	30.63	23.55	56.25	59.77	15.82
29 UPPERVOLTA	118.25	92.72	116.81	65.53	147.12	51.37	92.62	112.32	123.43	61.88
30 ZAIRE	17.72	16.24	19.88	52.10	41.60	58.41	29.40	30.11	32.99	52.35
31 ZAMBIA	22.48	19.99	25.88	55.20	46.95	59.91	30.63	34.99	36.99	54.48
32 ZIMBABWE	38.72	56.35	35.45	85.58	27.00	95.26	61.23	53.18	42.59	87.70
33 ALGERIA	133.42	151.46	125.66	182.61	99.87	193.91	147.83	150.08	135.79	179.99
34 ARGENTIN	116.05	141.24	130.47	168.86	107.86	181.01	155.22	123.70	107.67	178.24
35 BARBADOS	97.42	123.80	111.19	155.41	89.23	161.11	136.10	102.65	98.59	161.42
36 BOLIVIA	27.68	19.52	42.92	52.21	63.11	49.15	39.43	27.66	45.04	53.03
37 BRAZIL	41.06	66.07	61.83	96.61	50.34	106.47	83.06	50.65	37.08	104.62
38 CAMEROON	34.45	12.57	27.86	41.00	56.08	45.87	15.65	42.19	46.36	36.21
39 CHILE	69.28	93.05	93.24	120.22	80.35	129.37	112.89	72.76	61.75	131.09
40 COLOMBIA	52.56	78.25	69.94	111.05	51.70	120.05	92.58	63.13	51.99	117.16
41 CONGO	40.55	19.88	41.09	30.96	68.21	46.13	31.73	47.87	41.34	36.77
42 COSTARICA	77.08	103.99	92.00	136.73	68.92	143.73	116.99	84.08	78.72	142.53
43 CYPRUS	129.76	154.21	133.77	185.87	108.12	194.92	159.77	140.68	129.85	189.11
44 DOM REP	33.02	60.29	54.64	95.37	41.95	100.19	75.96	41.02	42.67	100.02
45 ECUADOR	28.72	51.61	58.09	86.40	57.03	86.45	71.72	28.35	44.12	91.39
46 ELSALVADOR	22.83	44.41	46.11	79.32	47.23	84.58	61.14	34.88	34.28	83.68
47 GREECE	116.68	142.10	124.98	173.07	97.20	184.13	151.42	126.68	114.44	178.49
48 GUATEMALA	55.58	75.06	54.06	106.97	30.30	119.10	78.62	73.47	56.57	108.18
49 GUYANA	90.26	116.75	101.21	149.76	75.58	156.21	127.16	97.52	93.17	154.20
50 IRAN	37.29	22.81	39.65	44.13	63.69	55.52	33.65	47.64	41.66	46.62
51 IRAQ	34.83	38.18	36.84	64.46	48.32	79.07	46.46	52.28	32.18	67.90
52 IRELAND	149.50	173.89	156.42	201.15	132.71	211.91	182.61	157.60	144.19	207.97
53 ISRAEL	136.59	161.54	147.25	190.36	121.33	203.71	172.73	146.59	129.38	198.10
54 JORDAN	25.46	39.13	38.68	69.99	43.45	81.90	53.14	42.72	24.49	75.01
55 KOREAREP	71.82	97.84	82.19	132.71	55.10	139.42	107.45	81.59	77.29	135.62
56 MALAYSIA	74.45	98.02	76.75	130.28	48.31	140.58	103.52	87.99	75.80	132.67
57 MARITIUS	79.47	104.21	85.58	136.05	58.86	146.65	112.13	91.81	78.96	140.11
58 MEXICO	68.81	93.59	82.23	122.56	61.63	134.81	106.87	79.21	61.59	130.44
59 MOROCCO	36.75	22.03	32.91	38.58	58.98	55.58	30.10	48.41	35.15	43.12
60 PANAMA	87.34	113.25	97.47	145.46	71.87	155.03	123.43	97.64	86.58	150.62
61 PAPUANG	37.06	22.61	35.83	52.61	60.67	45.06	25.48	39.11	57.99	44.70

TABLE I
CONTINUED

	11	12	13	14	15	16	17	18	19	20
62 PARAGUAY	70.09	96.22	83.52	127.92	59.15	136.95	108.86	78.50	69.61	133.87
63 PERU	34.97	45.20	62.78	67.21	71.86	72.06	70.17	29.63	32.55	78.91
64 PHILIPPINES	48.37	75.55	66.55	110.24	47.30	115.45	89.74	55.57	55.31	114.86
65 PORTUGAL	72.59	96.80	78.56	127.05	54.94	137.20	105.22	83.55	72.43	131.69
66 SURINAME	89.61	116.28	103.31	149.34	78.52	157.26	128.35	97.95	89.81	154.92
67 SYRIANAR	25.32	39.16	33.06	68.66	37.20	82.87	51.13	44.39	20.92	73.83
68 THAILAND	49.03	74.58	60.81	109.92	39.34	113.61	84.92	56.73	60.94	111.90
69 TRIN&TOB	112.43	137.95	120.43	170.45	96.21	175.81	146.07	119.59	115.68	174.00
70 TURKEY	49.86	35.72	62.76	31.55	85.40	41.05	56.73	44.56	47.34	48.22
71 URUGUAY	127.34	152.31	140.30	180.98	117.96	192.35	164.72	135.94	120.44	189.28
72 VENEZUELA	83.86	107.16	96.06	136.72	78.11	147.59	118.65	94.89	78.23	143.52
73 AUSTRALIA	247.30	265.41	251.11	285.38	237.69	294.09	270.88	254.14	240.58	291.84
74 AUSTRIA	141.02	165.88	149.72	193.85	126.26	203.99	175.69	148.66	136.05	200.93
75 BELGIUM	153.94	170.00	148.42	190.00	132.15	208.40	170.20	169.79	143.12	194.75
76 CANADA	267.05	283.33	269.35	301.60	258.43	308.72	287.34	273.24	261.54	307.08
77 DENMARK	173.06	196.52	180.85	222.54	159.52	233.80	205.56	181.39	165.91	230.17
78 FINLAND	144.87	170.57	152.12	201.54	125.37	210.42	178.77	153.27	143.52	206.51
79 FRANCE	185.90	207.40	191.48	231.00	173.28	241.16	214.86	193.38	179.11	238.14
80 FRG	158.69	182.54	168.37	209.14	147.26	220.05	192.82	166.66	151.53	217.15
81 HONGKONG	133.72	157.20	143.72	184.16	119.38	199.68	168.23	145.03	123.74	192.56
82 ICELAND	177.17	200.92	185.31	227.91	163.42	239.01	209.93	185.88	170.54	235.23
83 ITALY	127.35	152.69	137.63	181.55	113.48	192.70	163.52	136.03	121.75	188.97
84 JAPAN	134.60	160.82	146.65	192.40	119.32	202.47	172.29	142.92	131.89	198.80
85 NETHERLANDS	159.93	185.11	170.18	213.55	145.43	225.60	195.84	168.82	153.10	221.40
86 NEWZEALAND	263.26	280.22	266.05	298.19	254.04	306.93	285.06	269.74	256.11	304.71
87 NORWAY	153.51	178.39	159.23	208.83	134.43	216.84	185.31	161.85	152.96	213.20
88 SINGAPORE	141.42	163.07	148.60	188.70	127.16	204.78	171.86	154.23	130.48	196.49
89 SPAIN	113.53	139.45	125.46	169.95	99.51	180.98	151.22	122.45	109.55	176.93
90 SWEDEN	218.02	238.11	222.59	261.36	206.44	270.06	244.05	225.59	212.57	267.36
91 UK	186.00	208.27	193.55	232.06	174.05	244.13	217.33	194.15	176.98	240.48
92 USA	366.85	379.64	367.03	393.22	0360.10	398.76	381.58	372.00	361.50	397.85
	21	22	23	24	25	26	27	28	29	30
21 NIGERIA	0.00									
22 PAKISTAN	30.20	0.00								
23 RWANDA	36.45	25.65	0.00							
24 SIERRALEONE	52.31	73.92	88.00	0.00						
25 SRILANKA	132.16	111.50	102.66	179.93	0.00					
26 SUDAN	17.55	14.86	22.83	66.23	119.48	0.00				
27 TANZANIA	33.36	21.03	11.95	83.35	107.70	19.12	0.00			
28 TOGO	17.29	26.06	38.93	55.06	130.66	19.86	31.27	0.00		
29 UPPERVOLTA	70.79	94.17	106.69	24.47	198.57	85.89	101.27	72.10	0.00	
30 ZAIRE	42.10	23.41	25.40	89.04	93.55	30.18	25.85	38.80	107.60	0.00
31 ZAMBIA	41.68	19.15	26.58	86.43	97.16	27.72	27.79	39.73	107.12	16.14
32 ZIMBABWE	79.91	60.23	54.02	126.67	62.77	67.58	54.97	74.51	143.92	42.17
33 ALGERIA	170.32	146.50	134.92	218.97	85.45	153.94	139.15	168.24	239.23	137.66
34 ARGENTINA	170.16	144.96	145.88	209.85	65.33	156.91	148.26	164.58	228.75	129.56
35 BARBADOS	149.64	129.16	125.24	192.17	40.00	138.17	129.33	146.89	210.76	111.26
36 BOLIVIA	36.40	25.06	37.39	75.27	106.92	29.45	39.27	39.06	96.58	26.73

TABLE I
CONTINUED

	21	22	23	24	25	26	27	28	29	30
37 BRAZIL	95.11	70.84	74.75	135.35	57.66	82.61	76.87	90.59	154.78	55.81
38 CAMEROON	25.45	11.40	21.08	73.02	111.28	12.11	17.74	22.93	92.16	19.25
39 CHILE	121.94	98.66	105.16	156.59	67.34	110.77	107.44	117.51	175.83	84.90
40 COLOMBIA	106.17	81.12	81.81	148.42	47.08	92.52	85.43	102.98	168.70	66.73
41 CONGO	34.84	17.40	41.12	68.29	118.44	26.32	34.05	23.84	87.60	31.27
42 COSTARICA	130.90	108.95	105.36	174.77	24.96	118.62	109.59	128.29	193.76	91.25
43 CYPRUS	178.32	155.39	148.12	224.36	59.60	164.32	151.89	174.92	243.75	140.30
44 DOM REP	87.12	66.12	64.84	130.71	53.23	75.41	69.41	85.71	150.26	48.66
45 ECUADOR	75.99	58.29	62.21	114.49	75.08	66.70	67.00	76.93	134.98	45.60
46 ELSALVADOR	70.21	46.71	52.32	110.94	75.68	57.51	55.58	68.69	132.18	37.14
47 GREECE	169.02	144.95	139.40	215.00	43.79	155.13	143.00	165.19	233.69	128.37
48 GUATEMALA	99.19	73.01	67.08	146.56	53.22	83.01	70.11	95.25	166.44	61.23
49 GUYANA	142.45	121.55	114.91	188.19	18.74	130.21	119.54	140.18	206.73	102.99
50 KOREAREP	123.21	101.09	93.78	170.33	17.75	109.89	99.18	121.89	189.75	83.91
51 IRAN	39.23	13.55	37.55	75.55	112.56	26.39	32.88	33.32	96.62	30.88
52 IRAQ	61.38	31.36	43.35	100.96	94.59	45.28	41.38	55.00	121.80	33.96
53 IRELAND	200.02	177.70	173.45	242.65	84.79	187.40	175.82	194.41	260.17	160.55
54 ISRAEL	189.86	163.40	161.98	232.26	74.85	175.29	164.79	184.71	251.74	148.97
55 JORDAN	66.24	37.91	47.09	106.94	83.46	51.35	47.51	61.27	127.69	31.89
56 MALAYSIA	123.03	99.62	91.44	171.24	25.86	108.61	95.18	119.48	190.05	83.12
57 MAURITIUS	130.43	106.41	100.51	177.14	22.90	116.24	103.92	126.51	196.11	90.03
58 MEXICO	122.45	97.27	97.81	164.37	43.26	108.97	99.87	116.89	183.24	81.36
59 MOROCCO	41.49	17.91	37.62	78.98	110.45	29.34	30.17	30.16	97.79	26.83
60 PANAMA	140.07	116.06	111.71	185.20	25.33	126.27	115.47	136.55	204.59	99.80
61 PAPUANG	23.62	25.78	22.87	73.18	110.62	18.70	26.43	32.06	92.57	27.55
62 PARAGUAY	123.90	101.25	97.57	168.51	27.88	111.24	101.34	120.48	186.97	82.92
63 PERU	70.45	54.50	68.82	98.44	98.66	64.23	68.91	66.29	117.19	45.81
64 PHILIPPINES	102.12	81.05	77.71	146.44	39.07	90.19	82.64	100.72	165.76	63.08
65 PORTUGAL	122.79	100.94	94.97	169.08	25.73	109.99	97.54	118.27	186.72	82.81
66 SURINAME	143.21	119.57	116.22	187.01	31.32	129.85	120.65	140.57	206.89	103.46
67 SYRIANAR	67.02	39.03	45.66	109.65	79.82	52.08	44.80	60.48	129.16	29.65
68 THAILAND	98.64	80.35	71.74	146.10	35.76	87.29	77.41	98.27	164.47	60.80
69 TRIN&TOB	161.81	141.95	134.31	207.05	43.76	149.80	138.86	159.60	225.62	124.28
70 TURKEY	49.37	46.37	64.87	67.40	126.47	50.88	59.87	41.00	82.02	46.84
71 URUGUAY	180.06	154.44	155.00	219.63	74.71	166.23	157.69	174.99	239.57	140.72
72 VENEZUELA	133.79	107.68	109.55	173.28	58.96	119.47	112.03	128.99	194.07	96.25
73 AUSTRALIA	285.40	266.62	266.28	316.28	208.30	274.80	267.00	278.96	332.70	255.75
74 AUSTRIA	192.32	169.79	166.28	234.42	77.59	179.72	168.90	187.07	252.39	152.83
75 BELGIUM	192.10	166.74	165.19	231.55	118.02	176.98	163.99	183.11	249.31	158.62
76 CANADA	300.84	284.41	283.71	329.33	233.00	291.39	284.19	294.75	344.67	274.43
77 DENMARK	222.30	198.85	197.31	261.50	116.20	209.28	199.26	216.22	279.95	184.40
78 FINLAND	196.24	173.87	167.21	241.63	69.94	183.09	171.09	192.59	260.19	156.55
79 FRANCE	231.07	210.05	208.20	268.18	135.96	219.29	209.57	224.63	285.36	195.83
80 FRG	208.80	184.97	184.37	247.47	104.29	195.75	186.53	203.00	266.36	170.72
81 HONGKONG	185.72	157.89	158.49	226.56	81.80	170.58	160.47	179.59	246.21	145.34
82 ICELAND	226.69	202.61	201.10	266.10	119.07	213.23	203.38	221.04	285.24	188.83
83 ITALY	180.12	155.85	153.55	222.36	64.60	166.69	156.26	174.97	241.19	139.87
84 JAPAN	188.28	163.60	159.89	232.20	65.18	174.40	164.09	185.06	251.83	147.86
85 NETHERLAND	212.72	187.32	185.70	254.09	95.85	198.70	188.43	207.41	273.46	172.54
86 NEWZEALAND	299.28	281.68	281.46	328.61	226.95	289.39	281.67	292.40	343.90	270.93
87 NORWAY	202.68	181.37	174.36	247.43	82.14	189.95	177.99	199.06	265.80	164.67

TABLE I
CONTINUED

	21	22	23	24	25	26	27	28	29	30
88 SINGAPOR	190.06	161.68	163.41	228.96	97.40	174.37	164.71	183.23	249.31	151.82
89 SPAIN	167.37	142.61	139.84	210.95	48.39	153.64	143.23	163.24	230.09	126.60
90 SWEDEN	259.48	239.29	237.72	294.12	172.30	247.90	239.21	253.74	311.78	227.45
91 UK	233.77	210.39	210.33	270.58	135.08	221.00	211.62	226.86	288.63	196.81
92 USA	393.18	380.32	380.17	415.11	340.64	385.71	379.88	387.08	427.83	372.37
	31	32	33	34	35	36	37	38	39	40
31 ZAMBIA	0.00									
32 ZIMBABWE	47.18	0.00								
33 ALGERIA	136.15	110.93	0.00							
34 ARGENTINA	130.78	100.67	110.05	0.00						
35 BARBADOS	112.68	79.10	107.43	45.83	0.00					
36 BOLIVIA	20.98	62.50	152.47	139.40	120.54	0.00				
37 BRAZIL	57.25	43.20	116.03	75.89	65.46	64.15	0.00			
38 CAMEROON	20.07	58.47	148.74	147.15	129.31	25.60	72.94	0.00		
39 CHILE	85.42	72.72	128.65	59.07	60.33	88.33	32.03	101.18	0.00	
40 COLOMBIA	66.90	50.12	102.20	67.05	57.76	75.02	17.60	83.50	33.23	0.00
41 CONGO	28.22	64.46	156.55	145.95	132.14	30.24	72.61	22.72	98.15	85.41
42 COSTARIC	93.76	63.32	99.96	49.35	27.78	101.48	43.92	109.55	44.65	34.26
43 CYPRUS	140.11	103.17	75.90	61.61	51.74	152.87	99.68	156.61	99.77	87.69
44 DOM REP	51.16	39.11	115.54	86.91	67.42	56.80	19.73	66.40	45.43	24.71
45 ECUADOR	44.38	54.16	134.11	104.03	84.71	41.46	34.23	59.37	53.07	42.26
46 ELSALVAD	32.29	44.88	123.86	103.92	87.78	37.33	31.08	50.11	56.85	39.15
47 GREECE	131.71	96.51	83.87	43.19	49.96	142.21	82.81	146.16	79.33	70.51
48 GUATEMALA	61.59	40.27	79.81	87.82	77.63	77.41	43.42	75.19	68.62	37.22
49 GUYANA	106.11	70.81	93.81	51.57	23.16	115.16	60.54	121.33	62.34	50.53
50 IRAN	23.16	63.20	147.43	141.10	127.76	26.63	67.72	24.05	93.66	78.47
51 IRAQ	27.21	50.48	124.45	119.95	110.56	41.08	51.00	38.72	77.92	58.81
52 IRELAND	162.27	122.06	114.99	58.67	61.08	173.93	115.81	178.13	108.12	107.97
53 ISRAEL	150.22	119.24	96.81	32.84	66.68	160.40	97.87	166.06	85.17	85.64
54 JORDAN	28.07	44.28	122.35	108.75	98.36	39.18	36.87	42.95	64.22	45.65
55 KOREAREP	86.90	58.58	85.76	65.48	47.30	96.21	46.27	101.43	57.14	33.42
56 MALAYSIA	86.16	50.13	73.53	67.84	53.10	99.84	51.23	100.00	67.29	41.19
57 MAURITIUS	92.61	57.17	77.69	55.42	43.40	104.95	50.10	107.41	60.35	38.98
58 MEXICO	83.64	54.88	100.29	48.73	46.84	93.62	30.68	99.05	34.87	24.52
59 MOROCCO	24.29	55.10	146.32	138.19	124.88	34.15	66.31	22.99	93.43	78.48
60 PANAMA	101.46	68.49	83.59	42.94	32.38	111.97	53.52	117.43	55.36	41.00
61 PAPUANG	26.94	63.03	152.29	151.66	128.85	23.51	77.46	19.94	105.10	86.90
62 PARAGUAY	87.40	56.74	98.94	55.11	43.08	96.02	37.97	101.51	44.15	29.62
63 PERU	45.53	62.69	156.05	114.83	102.08	39.48	45.34	55.81	59.26	60.54
64 PHILIPPIN	66.09	45.27	107.65	74.84	54.42	72.50	24.44	81.18	42.24	20.36
65 PORTUGAL	87.30	46.66	92.04	62.98	42.93	99.11	47.06	100.87	60.93	42.28
66 SURINAME	104.33	75.61	90.79	39.62	29.39	112.94	54.28	121.06	50.04	40.70
67 SYRIANAR	30.54	36.55	119.76	107.21	96.52	44.01	36.42	42.84	66.01	46.10
68 THAILAND	66.07	39.91	105.06	86.25	60.16	73.80	38.59	78.81	60.10	36.25
69 TRIN&TOB	125.42	88.19	95.40	59.91	26.55	135.60	84.57	141.66	84.66	75.06
70 TURKEY	50.93	76.90	179.14	148.95	135.29	42.25	77.60	45.68	96.67	93.68
71 URUGUAY	139.50	110.66	105.34	24.89	51.56	148.94	88.28	157.32	73.06	77.75
72 VENEZUELA	92.65	70.94	94.42	50.00	50.17	103.24	49.09	111.22	47.19	39.58

TABLE I
CONTINUED

	31	32	33	34	35	36	37	38	39	40
73 AUSTRALIA	251.26	221.45	212.98	179.06	178.01	262.82	221.17	268.05	213.47	216.94
74 AUSTRIA	154.07	115.61	112.82	48.73	50.89	164.99	106.38	170.46	97.29	98.27
75 BELGIUM	156.11	123.83	96.15	103.03	112.70	173.52	128.84	170.13	133.82	122.75
76 CANADA	269.42	241.25	237.52	209.12	203.50	280.71	244.60	285.44	239.12	241.47
77 DENMARK	183.15	147.81	132.03	77.58	87.69	194.70	138.19	200.59	126.79	130.20
78 FINLAND	158.34	119.67	98.51	57.20	54.70	169.46	111.74	174.32	105.43	100.59
79 FRANCE	194.19	158.39	152.24	105.43	106.04	206.10	155.33	211.03	146.94	149.80
80 FRG	169.16	135.87	125.62	62.22	74.32	179.92	122.81	186.98	109.90	114.65
81 HONGKONG	145.84	117.92	95.99	37.68	76.22	156.56	94.96	161.44	82.73	83.38
82 ICELAND	186.91	153.13	129.75	79.59	91.77	198.33	141.70	204.80	129.61	132.52
83 ITALY	140.78	105.30	101.11	27.94	42.33	151.32	90.19	157.46	79.85	80.39
84 JAPAN	149.65	118.87	96.94	40.40	59.41	158.40	97.69	165.47	85.64	84.18
85 NETHERLANDS	172.50	138.87	113.63	49.94	74.49	183.02	121.49	189.65	107.18	110.54
86 NEWZEALAND	266.74	236.73	232.59	198.99	196.83	278.36	238.74	282.76	231.95	235.61
87 NORWAY	165.41	126.16	105.45	72.62	63.07	176.98	122.54	181.76	117.90	112.46
88 SINGAPORE	149.15	123.25	94.50	55.50	86.43	161.68	104.80	166.09	95.31	94.03
89 SPAIN	128.85	96.72	93.30	26.71	43.59	138.11	76.13	144.43	66.71	64.05
90 SWEDEN	223.41	191.86	177.26	144.21	142.97	235.19	189.83	240.88	182.03	183.87
91 UK	194.95	160.98	148.20	93.03	105.27	206.58	151.63	212.32	139.43	144.94
92 USA	366.55	341.99	341.71	319.04	311.77	377.23	348.98	380.98	344.94	347.46

	41	42	43	44	45	46	47	48	49	50
41 CONGO	0.00									
42 COSTARICA	113.17	0.00								
43 CYPRUS	160.39	64.55	0.00							
44 DOM REP	71.44	45.30	102.37	0.00						
45 ECUADOR	62.61	65.20	122.18	24.41	0.00					
46 ELSALVADOR	51.54	67.73	118.68	26.74	20.29	0.00				
47 GREECE	149.97	46.52	47.31	86.88	108.42	107.65	0.00			
48 GUATEMALA	81.07	56.58	89.48	43.37	61.55	48.84	78.44	0.00		
49 GUYANA	126.67	18.60	52.18	59.65	80.52	82.63	38.05	64.35	0.00	
50 IRAN	14.75	107.81	154.25	65.93	56.53	43.45	143.97	73.44	121.60	0.00
51 IRAQ	35.74	89.83	133.03	52.68	51.20	32.75	122.36	50.32	103.34	26.36
52 IRELAND	179.24	81.34	45.45	122.27	141.89	140.67	62.99	117.09	70.26	175.96
53 ISRAEL	166.44	68.16	58.27	107.09	125.84	124.01	36.40	97.91	65.20	160.08
54 JORDAN	42.11	76.93	124.81	38.29	37.71	20.15	111.93	44.86	91.35	34.02
55 KOREAREP	108.51	23.77	69.86	42.01	63.72	63.91	49.62	42.82	28.68	101.71
56 MALAYSIA	106.41	35.94	63.24	50.75	74.22	68.57	50.43	32.88	35.90	100.60
57 MAURITIUS	111.90	26.89	56.37	52.58	75.63	71.42	40.68	41.04	27.57	106.07
58 MEXICO	99.34	27.43	75.14	42.44	62.64	59.37	55.58	45.30	40.95	94.68
59 MOROCCO	11.87	105.97	151.00	65.90	60.85	47.32	141.26	71.23	118.82	16.67
60 PANAMA	120.79	19.71	50.14	57.38	78.56	76.78	33.34	53.28	20.52	114.66
61 PAPUANG	36.91	110.12	157.80	66.70	56.62	51.92	148.89	81.30	121.17	35.77
62 PARAGUAY	105.76	17.62	74.29	40.15	62.57	63.70	48.87	48.19	28.85	100.89
63 PERU	49.48	84.99	141.52	47.33	33.59	36.42	127.14	78.38	101.22	49.82
64 PHILIPPINES	86.65	30.56	89.69	15.87	37.71	41.12	72.20	43.38	44.69	80.98
65 PORTUGAL	105.12	28.58	65.00	48.26	71.59	68.61	51.67	45.69	29.66	101.33
66 SURINAME	124.23	18.09	54.48	57.82	76.58	77.27	37.38	60.46	22.86	117.64
67 SYRIANAR	42.77	74.91	121.97	38.18	42.78	26.67	108.29	40.92	88.32	37.13

TABLE I
CONTINUED

	41	42	43	44	45	46	47	48	49	50
68 THAILAND	87.90	38.76	91.23	24.69	45.57	48.17	75.57	43.73	46.48	82.96
69 TRIN&TOB	146.58	46.01	33.31	84.04	102.79	103.62	50.25	84.52	31.70	141.76
70 TURKEY	34.45	117.51	171.88	77.25	65.65	63.92	157.01	99.89	131.96	44.90
71 URUGUAY	155.86	61.35	52.53	98.52	114.23	112.50	52.87	95.37	61.28	149.92
72 VENEZUEL	109.63	44.19	66.57	59.87	73.60	67.23	66.03	55.80	53.97	102.87
73 AUSTRALI	264.25	201.43	160.14	229.00	240.44	235.93	197.66	223.37	195.25	262.48
74 AUSTRIA	171.32	71.77	41.90	113.03	131.88	131.23	57.36	110.06	62.02	167.66
75 BELGIUM	167.29	118.21	82.19	139.04	156.77	144.06	105.80	111.44	114.60	163.30
76 CANADA	281.68	226.97	187.14	251.31	261.43	256.73	226.61	246.46	220.84	280.63
77 DENMARK	199.08	108.99	67.47	146.97	163.48	160.79	93.92	140.56	101.57	195.18
78 FINLAND	177.99	71.57	30.99	115.12	135.30	135.18	45.24	108.79	57.49	172.91
79 FRANCE	209.15	129.55	88.91	163.21	178.55	175.42	121.37	158.04	121.77	206.83
80 FRG	185.19	94.67	60.70	132.07	147.79	145.55	83.33	127.67	89.17	180.91
81 HONGKONG	160.22	73.47	68.70	106.59	124.46	120.41	47.92	93.87	74.22	153.66
82 ICELAND	203.39	112.11	68.17	150.40	166.49	163.62	95.20	142.87	104.98	198.62
83 ITALY	157.87	56.32	38.55	98.18	117.08	115.87	40.08	94.01	49.97	153.02
84 JAPAN	168.22	61.37	55.66	102.98	121.48	122.51	28.88	98.52	55.61	161.36
85 NETHERLA	189.23	88.71	55.96	130.44	148.17	146.67	62.34	123.30	82.21	183.65
86 NEWZEALAND	278.59	220.30	180.25	246.52	257.77	253.11	217.48	241.26	214.06	277.76
87 NORWAY	185.04	84.25	33.29	125.44	144.57	143.68	65.34	118.92	70.18	180.32
88 SINGAPORE	163.07	88.82	68.82	117.48	133.44	125.89	72.18	99.93	89.70	156.29
89 SPAIN	146.33	41.30	51.29	82.77	102.39	102.40	18.35	79.32	38.36	140.29
90 SWEDEN	238.41	166.47	121.86	197.06	209.91	205.79	160.13	190.55	159.37	235.41
91 UK	209.34	126.32	87.53	161.69	177.09	173.68	113.69	155.28	120.33	206.11
92 USA	376.33	334.94	296.55	355.15	363.09	357.95	336.87	350.76	329.20	376.68

	51	52	53	54	55	56	57	58	59	60
51 IRAQ	0.00									
52 IRELAND	155.67	0.00								
53 ISRAEL	136.87	61.83	0.00							
54 JORDAN	15.37	146.22	127.07	0.00						
55 KOREAREP	82.70	95.25	76.12	70.99	0.00					
56 MALAYSIA	79.50	89.28	76.46	70.72	24.12	0.00				
57 MAURITIUS	84.83	80.20	65.42	75.00	22.81	13.28	0.00			
58 MEXICO	74.02	88.43	69.37	62.34	35.68	35.79	28.68	0.00		
59 MOROCCO	28.04	170.14	157.90	35.46	100.80	96.86	102.76	91.22	0.00	
60 PANAMA	93.74	71.97	54.92	82.79	26.41	28.39	15.89	29.16	112.34	0.00
61 PAPUANG	51.08	180.98	170.84	52.12	101.80	103.23	110.56	104.38	39.32	119.69
62 PARAGUAY	82.12	90.15	71.83	69.35	20.47	30.26	24.54	21.69	98.16	25.76
63 PERU	51.10	154.03	140.31	41.28	87.95	93.60	94.39	74.16	50.36	97.72
64 PHILIPPINES	65.53	109.62	93.87	51.56	27.85	40.69	40.52	33.77	80.42	43.66
65 PORTUGAL	83.02	82.63	78.08	72.86	30.39	21.75	19.29	30.93	96.23	28.47
66 SURINAME	97.38	74.59	54.01	85.39	29.38	39.27	28.16	32.77	116.61	13.80
67 SYRIANAR	18.91	142.47	125.12	11.62	68.59	65.86	70.86	59.48	34.28	80.15
68 THAILAND	69.48	113.29	102.58	57.27	29.29	38.57	42.71	45.72	81.29	49.77
69 TRIN&TOB	123.74	51.81	70.29	113.23	56.40	56.26	49.30	64.45	138.35	41.76
70 TURKEY	61.29	184.11	173.17	60.10	117.30	118.84	122.24	105.12	41.55	129.05
71 URUGUAY	128.20	53.86	35.31	118.26	76.04	76.64	64.77	62.90	147.88	51.68
72 VENEZUELA	81.23	85.22	68.63	72.29	53.10	51.54	44.24	35.02	101.66	39.07

TABLE I
CONTINUED

	51	52	53	54	55	56	57	58	59	60
73 AUSTRALIA	246.45	140.80	185.62	241.66	216.36	207.48	201.03	203.23	256.40	194.23
74 AUSTRIA	147.51	12.47	55.71	137.56	87.01	82.97	73.05	79.52	162.57	63.29
75 BELGIUM	141.35	89.54	100.54	140.52	122.03	103.24	100.54	108.07	156.53	102.36
76 CANADA	266.64	170.12	217.34	262.72	241.43	232.01	226.59	229.08	274.29	220.80
77 DENMARK	174.55	41.17	79.18	166.36	123.99	118.08	108.64	112.69	190.27	99.01
78 FINLAND	152.06	29.91	51.72	141.96	81.02	78.84	70.02	84.58	169.03	60.74
79 FRANCE	188.34	62.35	111.98	181.18	145.02	136.91	129.17	132.90	200.48	121.61
80 FRG	160.29	39.28	67.54	151.57	110.52	106.35	96.21	97.95	176.73	85.49
81 HONGKONG	129.65	74.09	19.54	121.07	79.90	78.06	67.85	67.67	151.60	59.57
82 ICELAND	177.45	48.83	77.71	169.37	126.15	121.14	111.53	116.24	194.62	101.27
83 ITALY	131.73	33.86	35.53	121.54	70.85	68.73	57.20	62.04	149.25	45.55
84 JAPAN	139.46	65.11	23.94	128.35	68.03	73.90	63.15	71.35	160.22	51.06
85 NETHERLANDS	161.26	42.36	38.93	151.75	101.30	99.64	88.56	93.32	180.58	76.83
86 NEWZEALAND	262.76	159.26	206.58	258.42	235.42	225.68	219.68	221.50	270.87	213.63
87 NORWAY	160.44	28.92	70.57	151.21	94.61	90.28	82.48	97.27	176.03	74.28
88 SINGAPORE	131.90	76.25	47.60	125.90	95.95	89.20	80.49	80.27	153.99	73.57
89 SPAIN	118.76	61.97	28.37	107.59	50.69	54.75	42.68	48.54	138.19	30.46
90 SWEDEN	217.86	104.99	148.77	212.16	180.73	172.73	165.79	170.10	230.14	158.28
91 UK	185.90	60.12	96.38	178.46	142.00	135.08	125.94	127.30	200.66	116.89
92 USA	365.70	279.84	328.03	363.43	349.04	338.79	334.43	336.21	369.84	329.67

	61	62	63	64	65	66	67	68	69	70
61 PAPUANG	0.00									
62 PARAGUAY	104.05	0.00								
63 PERU	59.72	80.31	0.00							
64 PHILIPPINES	81.19	26.21	60.92	0.00						
65 PORTUGAL	103.48	25.52	87.69	37.88	0.00					
66 SURINAME	122.35	28.77	96.78	43.60	39.05	0.00				
67 SYRIANAR	53.28	65.99	45.45	50.46	67.02	84.39	0.00			
68 THAILAND	77.02	33.40	69.70	18.57	36.40	52.77	53.93	0.00		
69 TRIN&TOB	140.50	58.93	122.61	70.98	50.88	43.39	110.55	71.45	0.00	
70 TURKEY	52.75	110.16	41.26	91.86	112.54	130.97	60.11	94.46	153.47	0.00
71 URUGUAY	161.11	70.78	126.76	87.00	74.63	47.82	117.81	98.14	58.86	162.14
72 VENEZUELA	115.63	50.06	86.14	53.76	52.68	38.16	73.22	66.58	63.25	120.52
73 AUSTRALIA	270.68	213.02	244.60	222.18	201.95	194.87	240.62	227.57	168.95	271.67
74 AUSTRIA	173.00	81.67	144.40	100.36	76.11	64.50	134.47	105.32	44.84	175.88
75 BELGIUM	178.61	120.65	163.30	133.25	106.08	110.83	136.41	136.63	104.70	184.56
76 CANADA	287.27	238.71	264.68	245.67	226.07	221.82	261.72	249.95	193.85	289.29
77 DENMARK	204.04	119.54	173.37	135.92	113.43	99.20	164.38	142.64	80.52	205.46
78 FINLAND	175.50	80.95	153.16	100.71	76.47	62.18	138.78	103.05	40.46	184.67
79 FRANCE	214.03	140.37	185.83	153.86	130.31	122.94	178.81	158.93	97.08	215.10
80 FRG	190.40	105.57	157.75	121.17	101.75	84.39	150.24	129.35	71.05	191.15
81 HONGKONG	168.04	74.61	136.36	95.20	81.40	59.65	119.44	105.42	82.22	168.30
82 ICELAND	208.07	123.03	177.69	139.14	118.20	100.64	167.98	146.41	84.23	210.88
83 ITALY	160.70	65.38	130.70	85.18	64.19	45.85	119.05	92.42	43.53	163.47
84 JAPAN	167.72	67.14	140.22	88.20	75.62	47.44	126.76	95.24	61.58	174.04
85 NETHERLAND	193.38	97.35	161.48	117.38	98.01	75.32	150.04	125.46	71.67	195.47
86 NEWZEALAND	285.56	231.44	260.27	240.28	219.27	214.86	256.96	245.05	187.84	285.25
87 NORWAY	182.17	95.47	161.88	112.18	86.66	76.29	148.08	113.60	44.03	192.62

TABLE I
CONTINUED

	61	62	63	64	65	66	67	68	69	70
88 SINGAPORE	173.38	92.75	143.27	108.49	93.64	74.53	125.26	119.06	88.65	175.10
89 SPAIN	147.48	46.15	119.29	68.49	53.71	29.44	105.22	76.13	51.36	151.83
90 SWEDEN	243.01	178.57	217.48	188.92	168.13	158.74	211.05	194.18	132.47	246.78
91 UK	216.66	136.34	183.98	151.79	130.00	117.08	176.70	159.30	99.85	215.31
92 USA	382.46	346.37	363.33	351.20	332.57	330.95	362.62	354.70	302.15	383.53

	71	72	73	74	75	76	77	78	79	80
71 URUGUAY	0.00									
72 VENEZUELA	49.19	0.00								
73 AUSTRALIA	161.68	181.69	0.00							
74 AUSTRIA	43.49	75.12	144.17	0.00						
75 BELGIUM	92.89	93.71	145.12	91.30	0.00					
76 CANADA	192.18	207.45	35.28	173.48	169.86	0.00				
77 DENMARK	61.62	97.79	108.17	43.01	87.19	140.48	0.00			
78 FINLAND	52.78	82.71	161.50	28.46	100.13	190.46	60.51	0.00		
79 FRANCE	91.18	117.52	78.70	66.31	95.02	108.88	35.47	85.62	0.00	
80 FRG	45.06	81.93	119.59	35.79	87.01	151.29	18.20	55.55	48.03	0.00
81 HONGKONG	40.00	65.05	189.75	68.02	95.10	221.50	86.80	68.01	118.81	74.54
82 ICELAND	60.85	98.97	110.44	49.42	89.12	143.31	13.25	62.52	43.97	21.21
83 ITALY	24.74	57.89	160.81	24.10	89.90	190.61	57.17	32.62	84.92	44.55
84 JAPAN	44.29	73.45	193.94	58.17	116.16	224.76	87.59	45.70	119.41	76.04
85 NETHERLANDS	36.85	83.74	151.58	38.92	95.66	184.29	44.64	42.68	79.65	36.73
86 NEWZEALAND	182.88	201.31	24.43	163.30	161.25	21.63	128.86	181.32	97.31	140.66
87 NORWAY	63.17	90.51	143.08	31.10	96.08	170.70	51.20	23.29	69.74	50.82
88 SINGAPORE	42.25	62.40	164.89	70.95	70.92	196.02	73.77	77.27	102.28	62.58
89 SPAIN	38.70	55.63	192.35	53.65	106.46	221.86	88.33	48.55	116.94	75.19
90 SWEDEN	125.75	148.58	39.90	108.00	117.33	70.84	71.91	123.34	45.78	83.59
91 UK	77.23	110.72	91.94	62.41	91.24	125.43	21.93	82.02	28.49	33.85
92 USA	302.51	314.41	143.53	283.66	271.75	110.98	250.98	300.49	218.88	261.98

	81	82	83	84	85	86	87	88	89	90	91	92
81 HONGKONG	0.00											
82 ICELAND	85.01	0.00										
83 ITALY	46.92	59.84	0.00									
84 JAPAN	40.87	86.00	40.07	0.00								
85 NETHERLANDS	50.16	41.61	34.92	48.00	0.00							
86 NEWZEALAND	210.58	132.30	180.85	215.17	172.91	0.00						
87 NORWAY	84.90	54.18	45.28	66.85	51.57	162.54	0.00					
88 SINGAPORE	36.85	70.16	55.41	67.07	52.89	186.03	85.56	0.00				
89 SPAIN	39.07	89.28	32.09	24.04	55.60	212.60	67.84	63.74	0.00			
90 SWEDEN	154.18	73.22	124.19	155.84	114.56	62.61	104.87	130.96	155.36	0.00		
91 UK	101.34	26.89	75.94	107.14	62.29	112.25	72.03	83.80	107.06	59.40	0.00	
92 USA	331.44	253.70	301.19	335.71	294.85	123.03	280.10	304.33	332.37	181.11	234.90	0.00

Broad group	Variable
Health	Life expectancy
Food	Calorie intake as percentage of requirement
Education	Adult literacy rate
Water supply and sanitation	Infant survival rate

The rationale behind the choice of each variable has been discussed in detail by the author in a study earlier (Mazumdar, 1995).

Data for all the variables have been obtained from the World Development Reports and the World Tables for different years. A few variables required to be transformed in order to have one way direction of all the variables (i.e. all the variables are expected to rise with economic development). Data obtained from the official sources mentioned are infant mortality rate per 1000 of live births, population per physician and pupil-teacher ratio. The transformation made of these variables are as follows:

- a) Infant survival rate = $1000 - \text{Infant mortality rate per } 1000 \text{ of live births.}$
- b) Physician per 1000 population = $1000/\text{population per physician.}$
- c) Teacher-pupil ratio = $1/\text{Pupil-teacher ratio.}$

Our choice of the points of time are restricted by the availability of data. Unfortunately, suitable data is not available for most of the countries and variables prior to 1960. Year 1994 is the latest available year for which data for all the variables and sample countries could be gathered.

3. METHODOLOGY

The sample countries in a year are assumed to be on a Euclidian multidimensional space. The Euclidian distance between each pair of country has been used to obtain the distance between any two countries on the sample space.

TABLE II
PAIRWISE DISTANCE MATRIX: 1994

	1	2	3	4	5	6	7	8	9	10
1 BANGLADESH	0.00									
2 BENIN	39.33	0.00								
3 BURUNDI	22.49	42.59	0.00							
4 CINTAFRICANR	39.39	47.42	43.60	0.00						
5 EGYPT	61.41	51.08	76.93	77.92	0.00					
6 ETHIOPIA	43.31	56.71	28.09	41.28	98.85	0.00				
7 GAMBIA	50.69	38.83	36.52	46.61	87.33	32.82	0.00			
8 GHANA	32.35	39.91	47.12	39.24	43.83	64.53	61.21	0.00		
9 GUINEA	51.76	48.53	34.72	47.27	96.29	22.78	12.94	66.88	0.00	
10 HAITI	21.39	21.58	32.62	37.17	48.19	50.84	44.53	22.62	50.71	0.00
11 HONDURAS	59.51	64.21	78.71	64.89	37.29	95.96	93.00	33.76	99.33	51.41
12 INDIA	31.83	35.33	46.78	52.53	32.71	69.13	62.89	18.32	69.63	20.95
13 KENYA	46.59	63.13	62.69	49.91	54.76	78.53	81.34	23.62	85.08	44.89
14 LIBERIA	52.75	46.73	47.13	37.38	92.74	33.05	30.51	64.40	29.74	48.99
15 MADAGASCAR	15.51	25.21	22.02	37.28	59.38	40.59	39.19	34.32	42.73	14.57
16 MALAWI	57.86	60.18	42.14	44.34	102.64	28.16	27.85	66.85	22.19	57.34
17 MOZAMBIQUE	74.98	78.18	63.87	53.76	123.73	37.10	49.38	88.89	40.53	77.19
18 MYANMAR	66.65	55.88	72.72	71.49	46.89	91.19	75.34	41.61	84.78	51.49
19 NICARAGUA	60.84	54.68	78.81	61.13	34.72	93.28	85.98	36.46	93.67	47.53
20 NIGER	47.34	45.52	33.53	55.68	92.47	29.69	28.34	70.24	24.86	49.62
21 NIGERIA	30.51	46.49	44.26	19.62	65.24	51.53	58.08	27.84	59.76	30.90
22 PAKISTAN	32.50	12.93	38.43	47.98	47.45	55.78	42.09	34.61	50.62	15.14
23 RWANDA	43.82	63.65	34.21	34.84	96.06	28.02	46.17	54.97	40.47	51.39
24 SIERRALEONE	86.73	79.16	72.19	70.06	129.05	49.38	45.71	99.97	39.47	84.84
25 SRI LANKA	86.40	100.75	104.23	98.78	64.89	124.70	126.10	65.88	130.97	85.07
26 SUDAN	9.69	34.73	27.88	37.27	54.24	48.56	51.55	24.69	54.40	15.95
27 TANZANIA	31.68	49.02	40.55	25.27	65.80	51.35	55.91	22.47	57.94	31.53
28 TOGO	25.81	23.28	32.92	33.32	51.86	49.11	40.83	21.21	47.51	8.89
29 UPPER VOLTA	65.50	42.15	53.88	74.90	85.97	60.10	33.98	76.36	42.26	56.46
30 ZAIRE	39.89	46.22	45.23	25.02	66.13	53.39	51.26	24.52	55.24	32.74
31 ZAMBIA	55.27	50.12	56.88	25.30	77.52	56.46	48.89	41.76	53.66	44.75
32 ZIMBABWE	56.45	67.54	72.23	58.47	51.61	88.77	88.39	29.20	93.34	51.56
33 ALGERIA	91.71	93.79	111.92	106.01	47.35	133.00	128.84	73.38	135.90	85.45
34 ARGENTINA	109.98	107.57	129.31	105.13	74.81	142.47	137.59	84.03	144.76	100.09
35 BARBADOS	115.99	113.94	132.64	126.45	66.36	154.33	145.53	90.40	154.04	106.34
36 BOLIVIA	61.12	61.63	76.09	45.69	58.86	84.53	81.47	35.04	87.11	50.89
37 BRAZIL	88.16	73.83	103.72	84.21	46.04	117.79	104.89	60.07	114.42	71.87
38 CAMEROON	84.13	72.48	74.66	59.28	115.40	58.27	46.07	85.11	47.03	76.07
39 CHILE	114.98	113.99	134.90	113.19	77.34	149.50	145.19	89.84	152.30	106.04
40 COLOMBIA	101.92	100.27	121.20	103.23	60.87	137.76	132.00	75.57	139.58	92.17
41 CONGO	63.52	48.37	66.45	35.22	76.15	65.46	51.94	48.57	59.06	48.80
42 COSTARICA	100.21	102.88	118.56	107.57	59.37	138.40	133.52	74.46	140.75	92.60
43 CYPRUS	136.74	126.97	151.26	148.43	79.78	173.76	159.68	112.13	169.76	124.26
44 DOMINICAN R	86.87	80.30	104.57	90.36	40.28	122.23	112.90	59.46	121.53	74.14
45 ECUADOR	81.87	83.81	100.47	81.60	51.86	116.13	112.12	54.09	118.91	72.86
46 ELSALVADOR	72.90	68.14	89.53	84.57	22.96	110.67	101.13	48.07	109.69	61.06

TABLE II
CONTINUED

	1	2	3	4	5	6	7	8	9	10
47 GREECE	119.17	113.41	136.99	128.15	64.99	157.58	147.66	94.13	156.69	108.07
48 GUATEMALA	50.42	58.40	71.09	65.77	30.71	91.01	89.50	33.57	95.30	45.29
49 GUYANA	74.39	79.43	89.45	75.79	53.35	106.54	102.31	44.66	108.74	66.25
50 IRAN	69.53	65.12	87.81	74.05	30.71	105.11	97.49	43.34	105.48	57.33
51 IRAQ	62.66	60.84	81.81	58.98	52.27	91.86	89.62	47.78	95.35	53.88
52 IRELAND	120.81	116.65	137.82	128.64	69.59	158.43	148.84	94.15	157.67	110.06
53 ISRAEL	124.36	119.67	143.83	124.92	78.73	159.91	152.72	98.62	160.88	113.69
54 JORDAN	95.66	89.42	113.77	97.17	49.97	130.64	121.83	68.18	130.33	83.36
55 KOREA R	125.73	117.65	143.34	128.34	73.74	161.50	150.85	98.18	160.04	113.26
56 MALAYSIA	101.79	100.67	120.16	112.38	52.65	141.25	134.07	77.60	142.13	92.79
57 MAURITIUS	86.90	93.58	105.98	97.81	51.41	126.47	123.85	63.81	130.30	81.41
58 MEXICO	104.41	93.38	121.07	105.84	53.23	138.26	126.11	76.33	135.65	90.02
59 MOROCCO	55.68	45.31	72.04	72.79	11.13	92.85	82.39	41.76	90.96	42.64
60 PANAMA	92.12	97.15	111.61	96.63	58.63	129.21	126.67	66.78	133.15	85.36
61 PAPUA NG	43.71	53.69	55.50	57.36	44.55	77.01	73.28	21.67	78.91	38.11
62 PARAGUAY	91.32	87.20	107.80	96.44	45.72	127.01	117.77	62.70	126.29	79.61
63 PERU	81.77	81.97	99.87	72.28	62.10	110.64	107.64	55.66	113.80	72.37
64 PHILIPPINES	83.83	82.89	100.70	84.23	49.20	117.61	110.93	53.95	118.50	73.17
65 PORTUGAL	105.72	107.44	122.68	120.43	59.31	145.70	138.96	83.04	146.74	98.31
66 SURINAME	87.92	90.11	106.00	93.10	50.68	124.62	119.53	60.56	126.75	79.30
67 SYRIAN AR	74.49	69.28	92.09	85.56	23.07	112.65	103.54	50.56	112.04	62.78
68 THAILAND	76.57	87.54	91.99	86.25	56.84	112.03	110.47	52.08	116.04	72.42
69 TRIN&TOB	104.98	107.71	124.50	106.18	69.32	140.88	137.62	78.98	144.37	97.33
70 TURKEY	88.18	70.04	101.35	88.13	40.81	117.46	100.94	60.26	111.54	70.25
71 URUGUAY	114.39	111.99	133.89	110.17	77.94	147.31	142.40	88.61	149.63	104.60
72 VENEZUELA	127.99	110.80	143.36	129.17	71.77	160.42	144.34	101.04	155.06	111.76
73 AUSTRALIA	123.94	121.47	143.50	124.27	80.71	159.58	153.56	97.84	161.33	114.15
74 AUSTRIA	115.03	115.35	133.27	122.24	69.59	153.14	146.76	88.91	154.60	106.31
75 BELGIUM	140.05	129.49	157.81	141.87	86.34	175.23	163.40	113.14	173.03	126.74
76 CANADA	123.59	120.07	142.49	126.65	76.15	160.27	152.73	96.97	161.02	113.17
77 DENMARK	128.37	122.58	147.08	130.23	79.31	164.43	155.75	101.59	164.39	117.06
78 FINLAND	113.74	115.86	133.07	118.03	73.03	151.15	146.85	87.96	154.04	105.94
79 FRANCE	122.05	119.06	140.84	125.92	74.55	159.06	151.60	95.43	159.86	111.84
80 FRG	129.17	123.20	147.89	130.95	80.00	165.16	156.41	102.41	165.08	117.78
81 HONGKONG	129.56	123.36	149.01	130.88	81.59	165.37	157.31	104.38	165.77	118.44
82 ICELAND	133.28	125.78	151.84	134.70	82.91	168.85	159.21	106.52	168.17	121.21
83 ITALY	125.33	120.04	142.93	131.59	73.37	162.67	152.94	98.56	161.89	114.10
84 JAPAN	122.74	121.26	142.23	125.04	78.64	159.32	153.42	96.70	161.19	113.34
85 NETHERLANDS	128.20	123.65	147.46	128.68	82.15	163.75	156.35	101.84	164.59	117.47
86 NEWZEALAND	123.74	120.89	143.22	123.68	80.46	159.16	152.96	97.53	160.78	113.77
87 NORWAY	119.66	118.84	139.01	122.70	75.79	156.54	150.78	93.50	158.49	110.50
88 SINGAPORE	130.16	124.04	149.80	130.08	84.13	165.31	157.79	105.40	166.04	119.27
89 SPAIN	127.25	121.12	145.29	131.52	75.71	164.01	154.34	100.29	163.30	115.67
90 SWEDEN	122.78	122.41	142.71	123.07	82.40	158.50	153.95	97.30	161.25	114.04
91 UK	129.42	123.76	148.37	130.29	81.56	165.07	156.80	102.82	165.31	118.21
92 USA	125.38	119.71	143.57	129.23	74.74	162.02	152.75	98.36	161.58	113.96

TABLE II
CONTINUED

	11	12	13	14	15	16	17	18	19	20
11 HONDURAS	0.00									
12 INDIA	38.26	0.00								
13 KENYA	28.58	36.50	0.00							
14 LIBERIA	91.54	69.46	82.07	0.00						
15 MADAGASCAR	63.15	32.56	53.87	43.47	0.00					
16 MALAWI	99.49	73.93	81.03	40.01	52.58	0.00				
17 MOZAMBIQUE	117.35	97.06	101.75	34.72	69.73	39.70	0.00			
18 MYANMAR	52.78	40.79	51.87	89.32	63.97	82.62	113.72	0.00		
19 NICARAGUA	20.96	39.82	42.18	81.95	59.91	96.21	110.74	54.05	0.00	
20 NIGER	99.99	68.49	89.51	34.10	37.68	45.80	51.98	92.83	93.61	0.00
21 NIGERIA	49.44	41.06	35.69	50.67	33.23	59.62	70.63	67.23	48.87	62.28
22 PAKISTAN	59.70	27.12	57.80	49.59	21.60	60.93	80.68	52.42	52.36	47.31
23 RWANDA	85.73	64.67	62.56	49.98	46.44	29.17	51.10	80.44	87.58	54.15
24 SIERRALEONE	129.82	105.04	116.87	41.40	77.51	45.15	27.96	117.42	120.79	50.91
25 SRI LANKA	43.75	67.35	49.36	128.63	94.89	128.13	150.49	73.07	63.70	132.20
26 SUDAN	52.24	25.30	40.58	54.52	15.18	59.71	78.28	59.89	53.39	51.55
27 TANZANIA	50.56	37.75	28.90	57.29	35.90	53.05	74.13	55.93	54.21	65.55
28 TOGO	52.79	24.23	43.69	47.42	19.10	51.52	74.11	47.27	49.13	50.78
29 UPPER VOLTA	104.20	69.83	99.23	54.76	52.43	59.74	78.01	80.95	95.23	38.79
30 ZAIRE	53.01	40.01	35.01	54.37	39.62	48.70	72.23	49.29	53.35	66.44
31 ZAMBIA	65.81	56.05	52.93	48.22	50.33	45.83	64.06	58.92	60.53	68.45
32 ZIMBABWE	23.59	40.19	12.14	90.31	62.11	89.11	111.06	47.70	39.38	98.29
33 ALGERIA	44.40	68.87	68.47	128.45	95.34	139.70	156.94	81.62	52.52	131.17
34 ARGENTINA	53.03	89.49	75.59	130.91	111.76	143.94	155.89	91.95	53.85	145.96
35 BARBADOS	64.33	87.20	83.63	150.64	118.90	153.74	177.99	78.11	73.70	154.95
36 BOLIVIA	32.21	49.63	33.63	75.09	61.63	83.74	97.04	57.89	29.19	93.04
37 BRAZIL	40.60	62.50	63.52	103.43	85.28	115.58	132.11	57.82	29.92	116.87
38 CAMEROON	112.11	93.04	100.64	42.41	75.53	41.46	43.11	95.55	102.41	66.26
39 CHILE	57.26	93.92	80.38	139.27	117.51	151.90	164.64	97.12	60.43	152.52
40 COLOMBIA	42.97	78.25	67.35	129.17	104.28	139.38	155.54	79.70	48.13	140.13
41 CONGO	68.02	60.26	62.38	47.79	55.76	55.54	68.44	61.45	57.43	71.68
42 COSTARICA	44.42	75.10	63.60	135.23	104.46	139.62	160.73	73.69	57.32	141.71
43 CYPRUS	90.24	105.76	110.72	167.66	136.90	171.43	197.23	91.01	94.25	170.00
44 DOMINICAN R	31.54	59.64	57.64	112.97	87.27	122.55	141.33	58.77	32.43	122.33
45 ECUADOR	22.91	59.87	44.29	109.65	85.13	117.12	134.37	63.10	32.93	121.33
46 ELSALVADOR	28.45	43.07	49.86	105.64	73.77	111.95	134.48	45.35	33.89	109.32
47 GREECE	65.50	90.49	89.81	150.02	120.65	158.31	179.20	85.36	70.01	155.86
48 GUATEMALA	18.31	31.07	34.00	88.68	54.93	98.73	115.86	57.91	28.03	91.86
49 GUYANA	28.57	51.74	32.47	105.65	78.66	103.92	127.69	45.52	43.39	114.67
50 IRAN	17.07	44.07	44.15	96.52	70.12	107.27	124.95	52.36	16.34	105.49
51 IRAQ	36.29	52.98	51.91	77.98	62.21	99.48	105.41	75.86	24.22	92.34
52 IRELAND	66.49	91.91	87.73	152.60	122.95	157.42	180.29	82.25	73.64	158.77
53 ISRAEL	66.34	100.13	91.60	148.64	125.87	161.46	175.96	99.69	67.72	160.64
54 JORDAN	38.45	69.51	64.34	120.61	96.27	130.90	148.45	67.97	39.39	131.26
55 KOREA R	68.78	97.87	93.05	151.45	126.20	160.42	179.54	89.77	70.86	160.98
56 MALAYSIA	48.43	74.64	71.31	136.50	104.72	143.32	164.42	74.34	57.41	141.15
57 MAURITIUS	34.45	63.54	52.61	125.18	92.47	129.92	150.53	69.26	50.53	130.00
58 MEXICO	50.30	76.06	75.28	126.81	103.46	136.59	155.61	68.21	48.19	137.12
59 MOROCCO	38.09	30.16	54.91	85.32	53.14	98.70	117.09	52.26	32.15	85.49
60 PANAMA	34.24	69.92	54.46	124.91	97.01	131.72	149.65	74.03	47.39	134.10
61 PAPUA NG	37.59	23.98	25.17	82.53	48.23	76.90	104.76	33.71	47.89	83.23

TABLE II
CONTINUED

	11	12	13	14	15	16	17	18	19	20
62 PARAGUAY	37.08	62.82	57.86	121.18	92.87	125.51	148.07	54.71	44.51	128.73
63 PERU	31.82	65.54	48.07	100.19	83.54	111.72	123.35	72.09	31.72	116.93
64 PHILIPPINES	27.17	58.75	45.77	111.92	86.15	116.13	136.81	54.08	36.86	122.25
65 PORTUGAL	58.41	78.26	75.97	144.58	109.90	147.20	171.71	74.80	70.45	146.23
66 SURINAME	30.69	62.77	50.59	120.58	91.75	125.18	145.93	61.77	43.68	128.75
67 SYRIAN AR	27.71	45.86	52.22	106.30	75.17	115.04	135.66	51.63	31.24	110.63
68 THAILAND	36.95	54.94	37.77	115.62	83.48	111.86	137.25	53.25	55.62	120.10
69 TRIN&TOB	46.18	83.01	66.83	134.51	109.06	142.71	159.07	84.76	55.59	145.62
70 TURKEY	47.30	59.21	67.24	104.55	84.15	113.15	134.06	46.09	38.58	114.65
71 URUGUAY	57.13	93.58	80.00	135.72	116.29	148.93	160.88	95.78	58.18	150.58
72 VENEZUELA	77.75	98.78	102.80	146.05	124.95	157.47	176.20	86.90	72.16	155.89
73 AUSTRALIA	65.10	100.22	88.89	149.63	126.31	160.96	175.97	99.45	68.79	161.75
74 AUSTRIA	58.72	88.45	79.23	148.44	118.75	153.61	174.86	83.56	68.74	155.57
75 BELGIUM	83.89	112.20	109.41	162.72	139.71	174.26	191.73	104.25	83.01	173.28
76 CANADA	65.08	97.58	89.00	151.38	125.78	160.85	178.60	93.77	69.72	161.55
77 DENMARK	70.16	102.19	94.79	154.11	129.67	164.66	181.72	97.66	72.69	164.78
78 FINLAND	55.46	89.78	76.39	145.52	117.94	152.75	170.98	89.05	65.31	154.84
79 FRANCE	63.73	95.77	87.26	150.87	124.47	159.57	178.04	91.61	69.28	160.46
80 FRG	71.00	102.97	95.75	154.64	130.41	165.39	182.32	98.44	73.25	165.44
81 HONGKONG	72.47	104.89	98.54	153.30	130.55	167.15	181.41	104.48	72.57	164.83
82 ICELAND	75.62	106.71	100.89	157.23	134.00	168.80	185.39	101.45	76.34	168.45
83 ITALY	69.41	96.81	92.39	155.07	127.06	162.01	183.16	88.44	74.66	162.62
84 JAPAN	63.88	98.28	87.32	150.65	125.61	160.72	177.15	96.95	69.28	161.57
85 NETHERLANDS	69.64	103.45	94.23	152.88	129.87	164.65	179.95	101.16	71.83	164.89
86 NEWZEALAND	64.92	100.03	88.77	148.97	125.94	160.42	175.31	99.11	68.23	161.26
87 NORWAY	60.82	94.96	83.77	148.73	122.79	157.82	175.09	93.29	67.41	159.05
88 SINGAPORE	73.53	106.70	99.41	152.61	131.02	167.50	180.29	107.73	72.88	164.92
89 SPAIN	70.11	99.44	94.19	154.91	128.58	163.59	183.01	92.37	73.74	163.88
90 SWEDEN	64.13	100.26	87.03	149.27	125.89	160.56	174.93	101.27	69.07	161.57
91 UK	71.07	103.94	95.86	154.13	130.71	165.57	181.56	100.42	72.95	165.63
92 USA	67.85	97.90	91.94	152.92	126.85	161.73	180.82	91.39	71.62	162.24

	21	22	23	24	25	26	27	28	29	30
21 NIGERIA	0.00									
22 PAKISTAN	44.72	0.00								
23 RWANDA	44.09	61.26	0.00							
24 SIERRALEONE	86.91	83.72	67.62	0.00						
25 SRI LANKA	82.59	94.04	109.11	164.91	0.00					
26 SUDAN	26.44	29.25	46.59	89.36	81.11	0.00				
27 TANZANIA	19.49	45.65	35.72	89.00	77.67	27.36	0.00			
28 TOGO	30.39	18.94	46.88	81.60	86.18	20.36	27.27	0.00		
29 UPPER VOLTA	80.92	45.39	76.36	66.15	136.56	66.14	79.70	56.15	0.00	
30 ZAIRE	26.82	44.08	38.49	84.65	82.79	35.03	13.88	25.64	75.52	0.00
31 ZAMBIA	37.29	52.19	45.69	74.47	99.67	50.71	32.96	37.29	75.73	21.53
32 ZIMBABWE	45.10	62.90	72.59	124.97	42.60	49.49	38.37	50.05	104.52	41.54
33 ALGERIA	88.77	89.71	125.87	167.65	46.96	85.24	91.79	89.44	131.72	95.67
34 ARGENTINA	92.52	106.07	131.94	168.73	66.65	102.62	97.22	100.91	148.20	97.10
35 BARBADOS	112.54	109.35	142.37	186.76	50.57	108.96	108.69	107.29	147.74	108.73
36 BOLIVIA	37.60	60.45	72.93	110.90	69.07	54.16	40.81	48.58	100.36	38.36

TABLE II
CONTINUED

	21	22	23	24	25	26	27	28	29	30
37 BRAZIL	75.34	73.47	110.67	139.22	72.02	80.09	77.52	71.63	110.94	73.11
38 CAMEROON	77.39	75.47	63.78	39.62	147.17	84.44	76.17	70.27	70.08	66.93
39 CHILE	99.36	112.00	138.85	177.63	64.35	107.73	103.75	107.39	154.68	104.55
40 COLOMBIA	89.13	97.68	126.94	167.30	51.33	94.39	91.38	93.37	140.17	91.88
41 CONGO	45.82	52.30	60.66	75.12	106.10	58.52	46.47	42.59	74.13	35.22
42 COSTARICA	92.46	98.70	125.32	172.41	32.80	92.98	90.46	93.63	140.77	92.21
43 CYPRUS	136.21	123.51	164.55	201.86	83.00	129.61	132.22	125.25	155.61	130.34
44 DOMINICAN R	77.59	77.52	113.27	150.40	52.62	79.08	78.34	75.12	118.46	77.10
45 ECUADOR	67.88	80.31	103.71	147.25	41.79	74.52	68.44	73.13	123.71	69.02
46 ELSALVADOR	71.08	63.73	102.54	142.29	47.70	65.41	69.13	62.75	104.09	69.09
47 GREECE	114.15	109.88	148.29	187.37	62.26	111.92	113.62	109.84	148.46	113.32
48 GUATEMALA	48.31	52.91	84.43	127.64	48.49	43.92	51.58	49.47	97.55	56.80
49 GUYANA	64.17	74.67	90.15	139.93	36.49	67.31	56.90	64.36	115.40	56.58
50 IRAN	60.53	61.86	97.32	134.77	52.17	61.86	62.63	58.89	104.68	62.40
51 IRAQ	46.21	60.00	89.37	118.03	76.63	56.76	59.24	57.00	101.40	60.98
52 IRELAND	115.16	112.83	146.82	188.95	57.34	113.46	112.46	110.89	151.33	111.83
53 ISRAEL	111.43	117.62	150.30	186.90	71.39	116.95	114.91	115.20	158.75	114.69
54 JORDAN	84.38	87.14	121.15	158.12	55.36	87.82	85.91	84.27	128.09	84.76
55 KOREA R	115.73	115.76	151.25	188.02	70.77	117.77	116.03	114.05	154.23	114.49
56 MALAYSIA	97.16	96.58	131.01	174.15	43.40	94.61	96.27	94.76	137.33	97.60
57 MAURITIUS	81.45	88.32	114.15	162.99	22.66	80.32	79.85	83.25	131.47	83.30
58 MEXICO	94.61	91.67	129.51	163.02	65.88	96.41	95.04	90.49	129.62	92.21
59 MOROCCO	60.06	41.35	92.34	122.73	69.95	49.14	63.20	47.59	81.22	64.06
60 PANAMA	81.27	92.71	116.40	163.09	32.41	85.30	81.40	86.54	136.62	83.67
61 PAPUA NG	46.52	47.24	63.63	114.81	54.88	37.36	34.72	36.47	85.10	37.15
62 PARAGUAY	83.83	83.65	115.31	157.14	44.34	83.53	80.79	79.68	123.57	79.57
63 PERU	60.81	80.51	99.43	137.39	61.19	74.57	65.69	72.11	122.73	65.35
64 PHILIPPINES	71.81	79.66	104.32	147.97	41.69	75.98	69.30	72.54	121.23	68.40
65 PORTUGAL	105.29	101.90	134.23	181.09	40.33	99.28	101.32	100.05	140.93	103.07
66 SURINAME	78.81	85.74	111.63	157.68	32.18	80.64	76.66	79.82	128.28	77.58
67 SYRIAN AR	71.49	65.43	105.45	143.78	49.56	66.96	71.55	65.08	106.41	71.93
68 THAILAND	72.61	80.96	95.40	150.02	21.68	70.70	64.19	71.83	121.60	66.87
69 TRIN&TOB	91.57	104.33	128.03	172.55	44.86	97.87	92.86	98.27	147.81	94.36
70 TURKEY	80.55	69.26	110.83	138.31	75.04	80.20	79.40	69.48	103.07	73.67
71 URUGUAY	97.39	110.36	136.84	173.68	68.44	107.10	102.07	105.56	152.51	102.03
72 VENEZUELA	119.42	110.56	153.77	180.49	91.69	119.91	120.34	112.30	143.29	116.21
73 AUSTRALIA	110.54	119.01	148.66	187.83	66.37	116.62	113.28	115.41	160.93	113.45
74 AUSTRIA	107.71	111.01	140.49	185.77	45.51	107.98	105.77	107.35	152.15	106.50
75 BELGIUM	129.83	128.00	166.43	199.35	87.79	132.27	131.42	127.82	165.12	129.30
76 CANADA	112.88	117.13	149.26	189.22	62.85	116.19	113.86	114.36	158.12	113.64
77 DENMARK	116.97	120.44	154.10	191.65	71.15	120.71	118.62	118.22	160.52	117.89
78 FINLAND	103.13	111.94	138.35	183.59	45.79	106.74	103.22	107.12	154.77	104.64
79 FRANCE	112.01	115.86	147.78	188.65	59.78	114.69	112.44	113.01	156.87	112.34
80 FRG	117.75	121.06	154.95	192.20	72.22	121.53	119.49	118.95	161.08	118.70
81 HONGKONG	117.44	121.55	156.72	191.59	78.00	122.15	121.35	120.24	161.87	120.99
82 ICELAND	121.95	123.79	159.26	194.67	78.47	125.68	123.96	122.40	163.05	122.66
83 ITALY	118.18	116.68	151.72	191.93	63.56	117.90	116.90	115.11	155.52	116.06
84 JAPAN	110.88	118.17	148.00	188.94	61.15	115.55	112.62	114.66	160.23	113.05
85 NETHERLANDS	115.35	121.44	153.44	190.87	71.98	120.76	118.04	118.73	162.43	117.62
86 NEWZEALAND	110.09	118.59	148.31	187.08	67.12	116.35	112.93	114.98	160.38	112.98
87 NORWAY	108.39	115.51	144.83	186.91	56.40	112.47	109.47	111.74	157.67	110.04

TABLE II
CONTINUED

	21	22	23	24	25	26	27	28	29	30
88 SINGAPORE	116.74	122.74	156.91	190.89	81.09	122.71	121.64	121.11	163.19	121.45
89 SPAIN	118.27	118.38	153.49	192.05	67.91	119.66	118.29	116.74	157.58	117.32
90 SWEDEN	108.93	119.64	147.16	187.76	63.76	115.69	111.94	115.40	162.37	112.76
91 UK	117.11	121.76	154.92	191.84	73.42	121.81	119.46	119.41	162.11	118.77
92 USA	115.95	116.94	151.38	190.18	66.13	117.80	116.13	115.00	156.55	115.25
	31	32	33	34	35	36	37	38	39	40
31 ZAMBIA	0.00									
32 ZIMBABWE	57.00	0.00								
33 ALGERIA	108.00	62.20	0.00							
34 ARGENTINA	101.00	67.52	52.36	0.00						
35 BARBADOS	120.00	73.28	45.44	62.53	0.00					
36 BOLIVIA	42.00	32.95	73.73	61.07	89.15	0.00				
37 BRAZIL	75.00	55.93	56.29	43.73	62.39	45.69	0.00			
38 CAMEROON	52.00	106.61	152.95	146.60	164.99	89.48	115.89	0.00		
39 CHILE	110.00	72.03	47.79	11.55	57.78	69.80	50.94	156.36	0.00	
40 COLOMBIA	100.00	58.10	35.87	20.47	43.91	60.60	39.05	146.12	18.90	0.00
41 CONGO	17.00	65.13	108.43	98.64	120.72	43.33	69.10	49.92	108.35	98.27
42 COSTARICA	104.00	53.39	32.83	44.31	27.56	68.94	52.69	152.09	40.39	25.25
43 CYPRUS	140.00	100.62	68.36	86.02	34.08	113.23	77.17	179.82	81.73	69.74
44 DOMINICAN R	85.00	48.71	36.68	38.46	43.67	51.15	22.44	129.10	41.35	24.12
45 ECUADOR	78.00	35.28	42.76	33.73	53.22	39.57	35.11	125.84	38.00	24.21
46 ELSALVADOR	81.00	42.46	36.96	59.74	46.24	54.59	37.15	124.00	61.41	43.15
47 GREECE	123.00	80.00	40.03	53.37	21.15	89.17	55.39	166.09	48.01	36.99
48 GUATEMALA	71.00	33.78	42.27	65.47	70.84	44.64	52.09	114.84	68.03	54.09
49 GUYANA	69.00	21.15	58.02	59.21	56.77	41.84	48.46	117.47	62.97	47.53
50 IRAN	71.00	37.75	39.79	46.91	57.48	38.72	26.15	115.64	51.38	35.92
51 IRAQ	65.00	52.91	61.85	58.16	92.01	34.84	47.27	103.90	65.04	58.76
52 IRELAND	122.00	77.06	47.18	56.15	11.41	89.10	58.65	166.26	51.27	39.31
53 ISRAEL	120.00	82.46	48.83	25.49	50.31	81.53	52.22	164.73	18.67	24.53
54 JORDAN	92.00	55.00	37.71	29.55	42.83	55.62	25.34	136.25	31.89	15.68
55 KOREA R	121.00	82.48	50.88	42.18	34.87	86.08	50.38	164.90	38.03	31.90
56 MALAYSIA	109.00	61.90	24.89	49.09	21.76	75.35	50.79	154.84	44.55	28.92
57 MAURITIUS	97.00	44.14	27.32	50.27	37.81	63.07	54.54	144.85	47.57	32.16
58 MEXICO	98.00	65.54	46.63	39.53	40.89	65.38	25.62	139.77	41.48	28.10
59 MOROCCO	74.00	53.82	51.19	76.87	75.00	57.10	48.65	110.52	80.04	64.95
60 PANAMA	95.00	45.52	34.13	34.74	43.04	56.65	47.88	142.70	33.26	19.82
61 PAPUA NG	56.00	26.36	70.94	88.05	80.47	48.74	65.67	99.40	92.05	75.64
62 PARAGUAY	89.00	47.18	40.51	46.90	31.89	58.21	34.84	134.93	47.85	29.39
63 PERU	69.00	42.48	58.60	33.47	74.49	28.19	36.96	115.90	42.43	37.10
64 PHILIPPINES	78.00	34.81	45.80	41.15	46.42	43.59	33.12	125.46	44.84	28.33
65 PORTUGAL	117.00	66.88	37.82	67.58	16.81	86.84	66.05	161.88	62.77	47.50
66 SURINAME	89.00	40.28	36.26	41.65	37.12	54.04	41.85	136.48	41.83	24.44
67 SYRIAN AR	83.00	45.16	31.81	55.08	47.06	54.32	34.55	126.09	56.56	38.97
68 THAILAND	83.00	29.37	55.51	69.65	53.08	58.08	63.41	130.14	70.45	54.66
69 TRIN&TOB	103.00	57.59	40.46	24.14	45.43	63.57	50.02	151.13	20.35	13.59
70 TURKEY	77.00	59.49	61.58	60.19	59.91	55.38	19.28	114.59	65.72	50.94
71 URUGUAY	107.00	71.81	53.07	5.19	62.03	66.14	47.18	151.46	8.44	21.64
72 VENEZUELA	119.00	93.13	66.16	58.70	53.82	90.51	45.81	156.83	59.10	51.89

TABLE II
CONTINUED

	31	32	33	34	35	36	37	38	39	40
73 AUSTRALIA	120.00	79.54	49.21	24.10	48.61	80.40	54.87	165.34	15.73	22.59
74 AUSTRIA	117.00	68.90	40.46	47.15	18.62	81.89	58.33	163.71	41.29	29.98
75 BELGIUM	134.00	99.28	63.49	50.77	49.26	99.39	60.34	175.63	46.52	45.98
76 CANADA	121.00	78.98	45.95	34.62	35.65	83.57	54.10	166.41	27.79	24.68
77 DENMARK	124.00	84.73	50.62	35.40	41.49	86.95	54.55	168.80	29.11	28.89
78 FINLAND	114.00	66.66	39.79	34.45	34.71	76.09	56.95	161.88	27.41	20.75
79 FRANCE	120.00	77.13	44.38	36.76	31.77	83.22	54.33	165.91	30.08	24.77
80 FRG	125.00	85.73	51.43	35.75	42.32	87.62	54.91	169.25	29.54	29.77
81 HONGKONG	126.00	89.51	51.55	32.61	52.93	88.09	55.97	169.75	26.09	31.73
82 ICELAND	128.00	90.97	56.15	39.44	46.15	91.38	56.35	171.24	34.14	35.26
83 ITALY	125.00	81.85	48.38	51.14	21.42	90.56	57.65	168.93	45.71	36.69
84 JAPAN	121.00	77.75	45.82	29.56	41.51	81.66	56.20	166.48	21.20	22.41
85 NETHERLANDS	123.00	84.69	52.09	28.98	48.46	84.83	55.27	167.98	22.05	27.29
86 NEWZEALAND	119.00	79.41	49.62	23.08	49.33	79.75	53.93	164.57	15.08	22.30
87 NORWAY	118.00	74.02	43.21	30.99	37.36	79.67	55.17	164.55	23.19	20.60
88 SINGAPORE	126.00	90.73	54.07	29.93	59.62	87.38	57.16	169.55	23.74	33.22
89 SPAIN	125.00	83.78	49.38	44.64	30.58	89.33	55.35	168.95	39.04	33.10
90 SWEDEN	120.00	78.08	49.06	22.95	51.41	79.41	57.86	165.65	13.13	23.00
91 UK	125.00	86.05	52.44	32.42	46.44	86.67	55.05	168.95	26.02	29.03
92 USA	123.00	81.57	48.09	41.66	31.13	86.80	53.63	167.07	36.11	30.20

	41	42	43	44	45	46	47	48	49	50
41 CONGO	0.00									
42 COSTARICA	105.95	0.00								
43 CYPRUS	137.62	59.87	0.00							
44 DOMINICAN R	82.64	31.82	64.76	0.00						
45 ECUADOR	79.15	30.91	81.36	22.92	0.00					
46 ELSALVADOR	81.03	38.24	65.64	23.04	34.73	0.00				
47 GREECE	120.59	33.35	35.24	38.87	53.26	47.75	0.00			
48 GUATEMALA	74.36	53.15	94.72	42.06	38.90	31.52	71.34	0.00		
49 GUYANA	74.45	40.02	84.27	38.55	27.36	36.27	65.40	43.06	0.00	
50 IRAN	70.17	41.97	79.32	17.98	23.11	20.51	54.73	26.73	35.39	0.00
51 IRAQ	61.75	72.31	113.71	50.93	46.58	55.22	85.71	37.87	61.84	36.89
52 IRELAND	120.86	29.32	33.65	41.79	52.63	49.58	14.60	74.41	60.13	57.82
53 ISRAEL	117.00	42.31	68.37	42.42	47.82	62.52	36.00	75.93	70.51	56.71
54 JORDAN	88.88	30.06	64.40	10.58	23.90	32.87	35.39	49.71	43.80	26.44
55 KOREA R	117.50	38.38	46.94	39.67	51.82	56.12	21.37	78.32	67.24	57.28
56 MALAYSIA	109.28	16.90	48.87	29.37	38.97	33.67	21.14	53.46	49.69	41.33
57 MAURITIUS	100.46	16.20	69.27	33.17	28.70	32.52	43.57	40.07	35.65	36.27
58 MEXICO	93.25	38.26	54.72	19.02	37.66	37.29	31.23	60.64	52.15	36.01
59 MOROCCO	72.80	66.13	88.99	45.27	54.91	31.01	72.17	28.96	58.42	32.80
60 PANAMA	96.74	17.89	74.47	29.17	18.08	39.24	44.43	45.28	35.53	34.62
61 PAPUA NG	64.90	67.47	102.35	59.70	55.09	43.76	88.60	37.75	37.28	47.39
62 PARAGUAY	89.30	23.28	56.26	17.18	27.10	23.57	35.35	48.07	31.74	29.19
63 PERU	68.57	52.17	100.29	37.66	22.89	51.30	71.13	46.99	42.16	32.90
64 PHILIPPINES	78.80	28.17	73.13	20.47	13.66	29.48	49.47	42.84	20.89	24.74
65 PORTUGAL	118.93	26.73	44.12	45.04	52.33	40.77	30.99	61.53	53.54	54.43
66 SURINAME	90.78	16.08	67.25	22.43	17.45	29.15	41.51	42.72	26.68	29.11
67 SYRIAN AR	82.24	37.41	66.51	19.56	32.94	7.65	45.51	30.11	40.03	17.19

TABLE II
CONTINUED

	41	42	43	44	45	46	47	48	49	50
68 THAILAND	90.21	38.65	82.36	48.03	38.64	39.80	65.80	44.97	20.07	45.53
69 TRIN&TOB	103.81	23.10	75.05	34.30	25.90	50.18	42.98	57.92	46.59	43.73
70 TURKEY	70.90	57.16	69.06	29.23	46.06	33.65	55.84	56.28	50.30	33.11
71 URUGUAY	103.60	45.07	84.96	41.14	37.59	62.54	52.06	69.10	62.84	50.66
72 VENEZUELA	112.02	61.56	49.72	46.67	65.99	60.64	39.19	85.94	79.32	62.07
73 AUSTRALIA	117.53	38.35	69.99	43.40	45.22	63.03	37.54	75.54	67.10	57.33
74 AUSTRIA	117.76	17.39	49.40	38.95	43.04	48.36	22.72	67.39	53.08	53.13
75 BELGIUM	128.92	55.93	51.84	53.79	67.10	70.98	32.43	92.75	84.30	70.95
76 CANADA	119.09	32.34	56.03	40.07	46.42	57.29	24.55	74.80	64.43	56.16
77 DENMARK	121.06	39.75	57.03	43.42	51.66	61.76	27.51	79.81	70.56	59.90
78 FINLAND	114.97	19.42	64.24	38.89	36.86	52.71	33.03	65.37	53.18	51.40
79 FRANCE	118.79	29.23	53.61	39.08	45.45	55.16	22.17	73.30	62.21	55.19
80 FRG	121.59	40.94	57.29	44.11	52.50	62.57	27.99	80.62	71.54	60.59
81 HONGKONG	122.22	48.28	67.04	47.15	55.11	66.59	36.13	80.95	77.64	61.70
82 ICELAND	123.98	47.27	57.23	47.55	57.50	66.26	30.28	85.12	76.58	64.21
83 ITALY	122.83	33.42	37.33	42.48	53.85	54.18	12.30	77.75	65.39	59.51
84 JAPAN	119.05	32.85	64.41	42.08	44.43	59.93	31.93	73.84	64.37	56.53
85 NETHERLANDS	120.27	42.43	66.12	45.13	50.30	64.94	35.07	79.75	71.56	60.25
86 NEWZEALAND	116.65	38.91	70.39	43.01	45.00	62.95	38.05	75.49	67.07	56.96
87 NORWAY	117.25	27.86	62.20	39.61	41.57	56.41	29.80	70.82	60.28	54.03
88 SINGAPORE	121.74	52.20	74.38	49.96	56.21	70.06	43.24	82.06	80.12	63.24
89 SPAIN	122.07	36.44	44.71	42.17	53.14	57.29	17.17	79.08	68.10	59.51
90 SWEDEN	118.02	38.24	75.07	45.61	44.15	64.64	42.03	74.52	66.50	58.03
91 UK	121.14	42.72	62.17	45.09	52.15	64.45	32.26	80.94	72.48	60.96
92 USA	120.07	34.63	47.24	40.28	50.46	56.10	18.29	77.14	66.06	57.51

	51	52	53	54	55	56	57	58	59	60
51 IRAQ	0.00									
52 IRELAND	91.08	0.00								
53 ISRAEL	75.57	41.50	0.00							
54 JORDAN	54.64	38.62	32.42	0.00						
55 KOREA R	84.95	24.15	24.14	31.94	0.00					
56 MALAYSIA	73.13	23.31	40.89	28.80	33.38	0.00				
57 MAURITIUS	64.51	42.15	52.50	35.21	51.83	23.33	0.00			
58 MEXICO	65.37	34.83	35.32	15.49	26.04	32.96	46.03	0.00		
59 MOROCCO	46.02	77.75	82.57	54.60	80.31	59.85	56.96	59.07	0.00	
60 PANAMA	59.14	43.25	41.57	27.29	46.17	28.75	17.32	40.60	62.78	0.00
61 PAPUA NG	64.04	86.27	99.23	68.75	95.08	71.27	56.94	75.81	47.06	63.96
62 PARAGUAY	64.83	32.51	47.67	21.05	38.60	24.10	27.97	24.43	53.33	28.27
63 PERU	35.57	72.08	55.93	37.03	65.09	59.34	50.12	49.48	62.00	37.84
64 PHILIPPINES	55.26	46.53	50.95	23.47	48.44	35.88	29.05	33.09	54.60	23.47
65 PORTUGAL	88.11	26.93	58.62	46.81	47.51	20.61	29.73	48.67	67.71	41.16
66 SURINAME	60.44	38.65	46.70	24.09	44.63	25.24	16.50	34.69	56.50	13.76
67 SYRIAN AR	50.93	49.22	57.77	28.92	53.26	31.65	31.89	34.57	29.76	37.15
68 THAILAND	72.88	59.70	76.85	53.37	72.69	48.09	30.60	61.79	62.62	38.07
69 TRIN&TOB	64.94	42.14	30.03	27.58	38.87	33.05	30.19	39.54	73.41	15.17
70 TURKEY	60.04	57.89	63.68	35.47	54.88	52.72	58.88	29.72	45.89	56.92
71 URUGUAY	62.40	55.13	21.72	31.70	40.39	49.31	51.90	40.65	80.17	36.58
72 VENEZUELA	87.43	45.17	45.61	42.86	30.76	52.48	71.47	28.62	77.68	67.20

TABLE II
CONTINUED

	51	52	53	54	55	56	57	58	59	60
73 AUSTRALIA	76.87	40.46	8.58	33.45	26.46	40.03	49.16	38.26	84.82	37.27
74 AUSTRIA	83.92	16.48	36.43	34.76	28.83	19.19	31.06	37.71	76.60	29.97
75 BELGIUM	95.10	38.19	28.63	45.86	18.64	49.20	68.56	37.86	92.00	62.00
76 CANADA	81.54	26.70	15.89	31.40	16.10	30.97	45.13	32.52	81.68	37.07
77 DENMARK	83.78	31.39	13.21	34.11	12.83	36.95	52.57	32.82	84.72	44.28
78 FINLAND	76.68	31.04	28.20	32.25	32.00	26.76	31.06	40.03	78.39	22.47
79 FRANCE	81.91	23.21	19.65	31.08	16.63	27.90	42.36	32.31	80.40	35.34
80 FRG	84.23	32.13	13.04	34.79	13.36	37.94	53.64	33.23	85.32	45.24
81 HONGKONG	80.07	43.55	8.57	37.61	24.57	44.35	58.43	38.07	85.40	48.90
82 ICELAND	87.20	35.47	16.19	38.46	15.32	42.96	59.64	34.70	88.02	51.28
83 ITALY	90.46	10.46	33.26	37.17	15.94	27.05	46.73	32.63	80.71	44.74
84 JAPAN	79.02	33.90	13.81	32.99	24.36	34.33	44.35	37.54	83.36	34.12
85 NETHERLANDS	80.65	39.11	6.08	35.15	21.90	41.62	53.94	36.75	86.52	43.21
86 NEWZEALAND	76.24	41.06	7.89	32.91	26.21	40.55	49.72	37.62	84.54	37.67
87 NORWAY	78.18	30.52	18.03	31.14	24.36	30.25	39.82	36.28	80.88	30.30
88 SINGAPORE	78.23	50.49	11.36	40.15	30.80	49.43	61.62	42.10	87.29	51.03
89 SPAIN	87.78	19.76	24.67	34.91	8.79	31.08	49.86	30.67	82.25	44.97
90 SWEDEN	75.83	44.34	14.48	36.07	32.94	41.86	47.85	43.10	86.07	35.06
91 UK	82.70	36.54	9.14	35.28	17.56	40.69	54.90	35.02	86.38	45.29
92 USA	85.37	20.65	22.33	32.66	8.96	30.17	48.00	29.46	81.08	42.34

	61	62	63	64	65	66	67	68	69	70
61 PAPUA NG	0.00									
62 PARAGUAY	57.03	0.00								
63 PERU	64.09	47.00	0.00							
64 PHILIPPINES	51.24	17.26	32.46	0.00						
65 PORTUGAL	71.75	33.95	74.73	46.80	0.00					
66 SURINAME	55.51	16.04	40.17	13.98	35.49	0.00				
67 SYRIAN AR	48.74	24.72	48.41	30.01	42.11	29.06	0.00			
68 THAILAND	38.56	38.11	57.17	33.85	45.22	30.77	44.28	0.00		
69 TRIN&TOB	77.50	34.94	39.73	31.19	48.06	24.80	47.12	51.35	0.00	
70 TURKEY	62.09	34.95	53.13	39.20	63.41	47.04	34.06	63.21	61.44	0.00
71 URUGUAY	92.15	49.00	38.52	44.60	67.71	43.96	57.79	72.43	24.65	63.12
72 VENEZUELA	100.58	50.22	74.87	61.05	65.32	62.07	57.98	88.17	63.03	44.78
73 AUSTRALIA	97.55	46.59	54.41	48.58	56.64	43.56	58.82	72.74	24.26	66.39
74 AUSTRIA	81.78	30.64	62.97	39.91	26.34	29.33	47.34	51.68	28.60	61.66
75 BELGIUM	111.55	55.50	77.37	65.07	62.44	61.77	67.49	90.26	53.18	65.04
76 CANADA	94.21	39.67	60.20	46.37	45.70	39.83	53.99	68.26	27.71	61.69
77 DENMARK	99.79	44.66	63.13	51.43	52.47	46.56	58.01	75.77	34.00	62.51
78 FINLAND	83.80	35.67	53.58	38.41	39.34	28.74	50.19	54.26	14.79	65.18
79 FRANCE	91.88	37.27	60.60	44.74	41.83	37.47	52.23	65.24	27.18	61.01
80 FRG	100.75	45.59	63.74	52.39	53.39	47.58	58.79	76.82	34.93	62.90
81 HONGKONG	105.13	52.88	62.90	57.78	61.75	53.40	61.56	83.63	38.12	66.52
82 ICELAND	105.36	49.88	67.73	57.24	57.94	53.11	62.41	82.39	41.24	63.87
83 ITALY	92.64	36.87	71.23	49.47	35.49	42.32	52.56	66.81	40.58	59.12
84 JAPAN	94.81	42.98	56.83	46.71	49.53	39.86	56.24	68.19	22.63	65.92
85 NETHERLANDS	101.49	48.45	59.41	52.42	58.04	47.87	60.71	77.47	31.19	65.75
86 NEWZEALAND	97.46	46.52	53.70	48.32	57.46	43.76	58.68	73.14	24.58	65.68
87 NORWAY	90.77	39.06	55.70	43.17	44.95	35.55	53.12	63.41	19.89	64.10

TABLE II
CONTINUED

	61	62	63	64	65	66	67	68	69	70
88 SINGAPORE	107.40	57.07	61.37	60.08	67.69	56.56	64.62	86.98	39.41	69.44
89 SPAIN	96.29	39.85	68.06	50.33	43.41	44.36	54.64	71.51	38.07	59.43
90 SWEDEN	97.18	48.78	52.85	49.00	57.99	43.35	60.41	71.50	21.33	70.20
91 UK	101.98	47.77	61.93	53.10	56.87	48.71	60.35	78.34	33.96	64.43
92 USA	94.68	38.39	65.19	48.10	43.39	42.17	53.33	69.81	35.10	58.52

	71	72	73	74	75	76	77	78	79	80
71 URUGUAY	0.00									
72 VENEZUELA	58.11	0.00								
73 AUSTRALIA	20.22	51.44	0.00							
74 AUSTRIA	46.21	55.06	32.69	0.00						
75 BELGIUM	47.83	28.67	33.72	44.40	0.00					
76 CANADA	31.97	44.47	14.22	22.06	27.29	0.00				
77 DENMARK	32.36	39.57	15.33	30.15	19.99	9.23	0.00			
78 FINLAND	33.20	59.83	22.08	16.31	46.32	19.15	27.45	0.00		
79 FRANCE	34.47	45.37	17.44	18.03	29.48	4.10	12.64	17.16	0.00	
80 FRG	32.60	39.29	15.60	31.12	19.09	9.98	1.46	28.44	13.48	0.00
81 HONGKONG	28.78	43.05	16.21	40.94	23.88	19.82	14.25	34.83	23.60	13.52
82 ICELAND	36.13	35.97	20.63	36.67	13.22	16.14	8.51	35.05	19.37	7.18
83 ITALY	49.41	39.91	33.21	19.18	28.34	19.03	22.24	29.44	16.43	22.76
84 JAPAN	26.42	51.74	8.15	25.20	33.92	8.98	14.70	15.90	11.00	15.25
85 NETHERLANDS	25.08	45.66	7.99	34.56	26.07	12.95	9.74	27.29	17.01	9.42
86 NEWZEALAND	19.21	50.67	1.73	33.62	33.40	14.91	15.26	23.12	18.22	15.53
87 NORWAY	28.55	52.38	12.56	20.43	36.29	9.25	17.10	11.18	9.23	17.91
88 SINGAPORE	25.87	47.46	18.20	46.73	29.81	25.93	20.54	38.51	29.77	20.04
89 SPAIN	42.40	36.56	25.72	23.77	20.69	12.48	12.83	28.47	11.93	13.22
90 SWEDEN	19.01	58.23	7.14	34.17	40.63	19.26	22.07	20.82	21.64	22.40
91 UK	28.89	41.72	12.36	34.04	21.53	12.17	5.44	29.00	16.15	4.92
92 USA	39.45	37.51	23.00	22.59	22.01	9.68	11.11	25.95	9.25	11.64

	81	82	83	84	85	86	87	88	89	90	91	92
81 HONGKONG	0.00											
82 ICELAND	13.45	0.00										
83 ITALY	34.32	25.40	0.00									
84 JAPAN	20.02	21.25	27.31	0.00								
85 NETHERLANDS	10.49	13.00	30.45	11.84	0.00							
86 NEWZEALAND	15.78	20.42	33.76	9.55	7.76	0.00						
87 NORWAY	24.27	24.31	25.25	5.21	16.39	13.73	0.00					
88 SINGAPORE	7.98	20.28	41.60	24.17	14.75	17.37	28.64	0.00				
89 SPAIN	25.16	15.78	9.82	21.40	21.63	26.05	20.98	32.39	0.00			
90 SWEDEN	21.80	27.47	38.01	10.83	14.75	8.03	14.11	22.36	31.50	0.00		
91 UK	10.41	8.80	27.42	14.41	5.21	12.03	18.13	15.98	18.03	19.31	0.00	
92 USA	23.70	15.24	11.37	18.66	19.40	23.33	18.17	30.75	3.17	28.72	16.21	0.00

The Euclidian distance between any two points is given by

$$D_{jk} = \sqrt{\sum_{i=1}^p (X_{ij} - X_{ik})^2}, \quad j, i = 1, \dots, n \quad (3.1)$$

where

i represents i th variable

p number of variables

j and k are the country suffixes

D_{jk} is the distance between j th and k th country

X_{jk} is the value of the i th variable for j th country

X_{ik} is the value of the variable for k th country

Obviously, D_{jk} lies between 0 and ∞

The convergence or divergence of a pair of country over the period (i.e. between two terminal points) is measured by the differences between the distances between the respective pair at two points:

$$G_{jk_0,t} = (D_{jk_t} - D_{jk_0}) \quad (3.2)$$

where $G_{jk_0,t}$ measures the convergence or divergence between the same pair of country between 0 and t th point of time, D_{jk_t} and D_{jk_0} represents the distances between the j th and the k th country at point t and 0 respectively.

$G_{jk_0,t}$ may lie anywhere between $-\infty$ and $+\infty$.

The properties of $G_{jk_0,t}$ are as follows:

As $G_{jk_0,t}$ tends to $-\infty$, the pair of country is converging over time.

On the otherhand, as $G_{jk_0,t}$ tends to $+\infty$ the pair of country is diverging over the period under consideration.

$G_{jk_0,t} = 0$ indicates the pair of country is completely converged.

$G_{jk_0,t} < 0$ indicates the pair of country j and k has come closer over the period.

$G_{jk_0,t} > 0$ implies the distance between the pair j and k has increased during the period.

Change of position of a country compared to all other countries may be obtained by estimating:

$$P_j = \sum_{i=1}^n P_{jk} \quad (3.3)$$

where P_j is the change of distance between the j th country and the all other countries over the period.

P_{jk} denotes the change of distance between j th country and the k th country over the period.

The properties of P_j may be summarised as:

P_j lies between $-\infty$ to $+\infty$.

If $P_j > 0$, the distance between the j th country and the other countries has increased.

If $P_j < 0$, the distance between the j th country and the other countries has decreased.

4. OBSERVATIONS

The distance matrices between 92 sample countries for 1960 and 1994 have been presented in Tables I and II respectively. The change of pairwise distances over the period has been presented in Table III. Each of the Tables I, II and III has ${}^{92}C_2$ pairs of cases (countries) to compare. So actual pairwise direct comparison of distances and change of distances involves $3 \times {}^{92}C_2$ comparisons, which is almost impossible for a paper. Therefore, major features as observed in these three matrices are offered below:

- (i) In terms of distances most of the countries are converging to each other over the period. Mozambique, Ethiopia, Sierra Leone, Cameroon are the few exceptions for which the distances with most of the countries has increased.
- (ii) Comparing the countries of the middle income group pairwise, it has been found that most of them has reduced distances with others. Some of them have increased distance with others. Cameroon's distance has increased with 36 countries among 40 in the respective group. These four countries are Argentina, Guyana, Ireland and Israel. These countries themselves have reduced distances with all the middle income countries significantly.
- (iii) Pairwise comparison of high income countries portrays that distance between all pairs of high income countries has reduced, implying that they have come closer to each other.
- (iv) Comparative study of pairwise distances of the low income countries doesnot depict any general trend.

TABLE III
CHANGES IN PAIRWISE DISTANCES AMONG COUNTRIES: 1960-1994

	1	2	3	4	5	6	7	8	9	10
BANGLADESH	0.00									
BENIN	-12.14	0.00								
BURUNDI	6.88	-14.04	0.00							
CAFRREP	-3.51	28.85	-5.90	0.00						
EGYPT	10.38	-35.14	30.75	4.63	0.00					
ETHIOPIA	23.95	22.97	1.59	13.63	37.93	0.00				
GAMBIA	-18.81	18.98	-37.80	13.13	-13.07	-19.80	0.00			
GHANA	5.92	-29.05	19.49	-17.15	16.73	25.52	-24.29	0.00		
GUINEA	0.35	39.17	-24.00	28.78	7.28	-11.65	-10.51	-3.03	0.00	
HAITI	-6.13	-7.13	-3.06	18.02	-13.89	38.96	-1.93	-19.16	21.71	0.00
HONDURUS	24.48	-10.79	39.80	1.17	4.97	48.46	3.55	15.10	23.56	2.43
INDIA	13.25	-12.81	20.36	15.15	-11.58	47.29	-1.01	-4.92	20.52	-1.27
KENYA	20.97	-7.06	45.75	-11.40	19.87	39.00	-5.90	3.11	12.79	-1.64
LIBERIA	4.15	24.40	-3.69	15.60	22.22	-0.09	-0.95	5.86	0.36	22.65
MADAGASCAR	-37.68	-75.34	-24.14	-53.09	23.30	-29.29	-77.61	-4.11	-59.70	-61.67
MALAWI	9.30	38.48	-15.53	16.08	15.43	-6.63	-2.10	-0.34	2.94	27.07
MOZAMBIQUE	60.14	31.06	50.17	13.81	69.70	19.73	-16.49	55.68	-7.84	50.31
MYANMAR	24.57	-18.02	22.77	6.82	-3.87	39.58	-10.46	5.06	11.03	-0.04
NICARAGUA	8.83	-24.47	27.85	-5.73	13.09	34.50	-4.55	4.59	11.64	-9.50
NIGER	6.62	30.14	-9.71	35.79	16.36	6.30	-5.28	11.32	4.30	26.91
NIGERIA	4.84	15.73	8.33	-7.58	-6.56	38.75	8.78	-20.41	31.35	14.24
PAKISTAN	13.27	-36.20	12.91	12.16	3.42	34.70	-24.67	12.19	1.16	-6.73
RWANDA	29.83	1.09	19.59	-18.96	46.51	-1.97	-35.10	28.46	-22.14	12.35
SIERRALEONE	9.85	44.71	-13.85	27.58	14.90	-11.17	14.34	5.40	11.06	30.93
SRILANKA	-21.78	-53.91	-0.76	-45.63	-15.41	0.49	-43.26	-23.50	-25.18	-43.52
SUDAN	-4.51	-7.48	3.77	4.98	-2.57	37.11	-9.67	-8.39	13.00	-1.81
TANZANIA	16.51	-6.66	30.41	-22.27	17.90	27.44	-18.52	-4.65	0.94	-1.35
TOGO	-2.36	-2.30	-0.04	12.85	-12.03	38.19	-3.07	-23.61	19.57	-1.09
UPPERVOLTA	-30.08	-5.91	-49.02	13.53	-46.92	-18.35	-2.89	-38.13	-3.22	-16.57
ZAIRE	19.47	-15.87	22.96	-26.61	32.09	20.02	-26.52	10.66	-8.26	-4.32
ZAMBIA	32.62	-12.94	27.65	-24.60	40.55	21.87	-30.49	28.43	-9.17	8.66
ZIMBABWE	-0.57	-30.87	20.99	-31.15	15.17	18.28	-24.40	-11.90	-7.73	-23.36
ALGERIA	-54.54	-99.29	-27.69	-74.62	-70.23	-28.84	-81.73	-55.20	-58.34	-82.04
ARGENTINA	-38.31	-78.41	-16.45	-68.22	-30.96	-18.74	-59.50	-40.23	-43.34	-61.39
BARBADOS	-11.74	-55.37	6.04	-32.24	-31.14	12.05	-36.05	-17.51	-16.55	-37.94
BOLIVIA	33.12	4.17	35.27	0.79	7.27	50.67	9.20	6.24	31.64	19.13
BRAZIL	13.48	-38.12	28.92	-15.03	7.18	31.09	-19.48	9.10	0.99	-14.74
CAMEROON	73.50	25.98	56.03	23.76	68.41	41.54	-18.00	60.66	-0.03	54.75
CHILE	11.25	-22.30	29.61	-9.95	9.70	34.99	-1.06	9.00	14.86	-6.56
COLOMBIA	17.76	-25.08	37.31	-8.68	12.91	39.73	-6.88	15.41	13.25	-6.74
CONGO	31.37	5.30	29.80	5.50	29.16	39.56	-5.98	16.35	14.16	29.15
COSTARICA	-8.08	-48.13	11.68	-32.15	-16.49	15.37	-30.56	-12.68	-11.65	-32.63
CYPRUS	-17.81	-72.45	0.81	-39.67	-41.47	3.88	-54.19	-21.98	-31.23	-49.14
DOM REP	21.31	-27.59	37.57	-5.80	-2.37	42.23	-8.69	14.10	12.96	-7.62
ECUADOR	22.56	-12.77	34.32	-2.69	1.44	44.79	2.62	10.86	23.19	2.00
ELSALVADOR	21.45	-22.43	33.31	7.82	-12.35	47.15	-3.88	18.37	19.43	-2.13

TABLE III
CONTINUED

	1	2	3	4	5	6	7	8	9	10
GREECE	-25.78	-75.27	-3.34	-49.10	-41.53	-2.24	-54.70	-28.77	-34.27	-54.93
GUATEMALA	-24.27	-61.39	1.80	-41.21	-8.59	1.37	-46.38	-18.89	-26.17	-48.29
GUYANA	-44.64	-84.05	-27.01	-77.19	-35.20	-28.06	-74.65	-54.75	-56.29	-71.69
IRAN	37.61	11.52	50.02	35.48	-12.32	73.99	27.83	17.23	51.70	30.12
IRAQ	18.39	-16.12	37.64	-2.60	28.80	39.98	-2.81	25.50	17.33	2.67
IRELAND	-56.53	-100.31	-34.97	-78.08	-70.94	-32.70	-79.67	-62.52	-61.88	-83.36
ISRAEL	-42.28	-87.59	-18.93	-69.22	-44.22	-20.53	-67.10	-43.65	-48.56	-68.10
JORDAN	48.58	6.11	65.59	28.69	30.63	73.32	23.85	46.56	46.10	26.54
KOREAREP	26.63	-27.94	46.67	-5.72	4.55	46.17	-9.51	19.28	13.28	-5.85
MALAYSIA	3.68	-43.27	27.57	-20.44	-11.49	27.42	-24.92	0.00	-3.89	-25.47
MAURITIUS	-19.23	-57.02	4.45	-41.35	-18.15	5.25	-41.16	-20.48	-22.38	-43.29
MEXICO	4.26	-45.63	23.88	-20.85	-4.94	25.12	-25.23	0.13	-5.60	-24.13
MOROCCO	23.99	-6.53	39.90	33.67	-26.34	62.05	15.47	15.99	36.60	14.10
PANAMA	-24.29	-63.03	-1.69	-51.63	-21.10	-2.15	-47.35	-27.23	-28.72	-48.62
PAPUANG	30.38	1.13	27.34	12.37	-14.90	54.18	3.21	-11.40	28.20	9.16
PARAGUAY	-9.39	-55.77	9.96	-35.32	-19.68	11.69	-38.21	-16.58	-18.67	-38.26
PERU	21.19	1.22	32.68	3.46	11.20	45.25	18.42	8.21	32.66	11.91
PHILIPPINES	4.06	-40.28	20.81	-27.46	-4.01	22.77	-25.88	-5.63	-5.57	-23.98
PORTUGAL	6.44	-34.44	28.39	-11.74	-6.60	32.22	-16.57	3.82	2.25	-18.85
SURINAME	-32.23	-73.54	-12.63	-58.07	-34.20	-10.62	-57.59	-37.20	-38.02	-57.92
SYRIANAR	27.99	-14.06	47.85	15.51	13.18	55.91	5.48	29.83	26.66	5.24
THAILAND	1.22	-33.90	18.04	-25.49	0.58	20.53	-25.52	-6.87	-6.52	-23.50
TRIN&TOBOB	-33.89	-75.50	-11.88	-66.93	-41.70	-13.55	-59.09	-41.52	-40.11	-60.58
TURKEY	35.73	23.36	43.32	46.87	-22.88	72.42	49.03	6.31	61.86	32.74
URUGUAY	-43.82	-85.08	-22.39	-73.56	-39.19	-24.17	-66.54	-45.47	-48.95	-67.10
VENEZUELA	15.41	-40.56	31.68	-8.08	-2.04	34.91	-19.92	12.69	2.77	-13.71
AUSTRALIA	-144.51	-176.28	-122.77	-163.92	-159.32	-119.09	-152.80	-153.65	-137.82	-164.44
AUSTRIA	-54.78	-94.19	-32.80	-76.61	-63.42	-30.54	-74.35	-59.81	-57.23	-79.28
BELGIUM	-31.44	-75.69	-6.21	-52.08	-46.32	-6.51	-54.47	-37.73	-35.34	-56.86
CANADA	-161.94	-192.35	-141.23	-177.37	-185.37	-134.62	-167.67	-173.81	-152.55	-181.70
DENMARK	-72.43	-115.59	-50.36	-96.44	-83.64	-49.31	-93.44	-77.54	-75.82	-97.59
FINLAND	-58.71	-100.38	-35.31	-87.39	-64.49	-36.63	-82.55	-63.96	-64.17	-85.06
FRANCE	-88.97	-126.52	-66.80	-109.59	-102.97	-64.00	-104.01	-96.31	-87.83	-112.14
FRG	-58.29	-101.60	-36.94	-81.80	-69.17	-35.25	-79.40	-62.82	-61.50	-83.12
HONGKONG	-33.50	-78.25	-9.89	-56.91	-35.10	-10.53	-56.62	-33.38	-38.17	-58.14
ICELAND	-71.72	-117.53	-50.15	-96.45	-83.90	-49.38	-95.61	-76.30	-76.87	-97.87
ITALY	-32.00	-77.64	-10.98	-54.27	-44.32	-8.53	-56.86	-35.99	-37.91	-58.63
JAPAN	-42.03	-86.73	-19.62	-70.30	-47.05	-20.41	-67.74	-45.12	-48.42	-68.50
NETHERLANDS	-61.72	-106.37	-39.08	-88.68	-66.27	-39.98	-85.67	-64.48	-67.42	-87.38
NEWZEALAND	-159.47	-189.40	-137.54	-177.99	-175.73	-133.51	-165.09	-169.80	-151.15	-178.79
NORWAY	-59.91	-103.91	-36.72	-89.78	-71.52	-38.02	-85.12	-66.59	-66.07	-87.32
SINGAPORE	-38.08	-81.25	-14.58	-60.70	-38.70	-15.11	-59.94	-37.63	-41.20	-61.22
SPAIN	-16.86	-64.92	4.47	-42.31	-28.27	5.61	-44.58	-20.58	-24.75	-44.65
SWEDEN	-118.00	-151.82	-95.76	-140.79	-128.19	-93.85	-130.42	-125.22	-114.29	-138.86
UK	-83.78	-124.11	-61.53	-106.11	-93.48	-60.17	-101.13	-88.85	-84.71	-107.25
USA	-255.78	-282.01	-236.20	-266.00	-287.84	-226.44	-254.83	-271.26	-241.05	-274.05

TABLE III
CONTINUED

	11	12	13	14	15	16	17	18	19	20
HONDURUS	0.00									
INDIA	10.93	0.00								
KENYA	-3.03	4.82	0.00							
LIBERIA	27.84	30.35	20.78	0.00						
MADAGASKAR	21.83	-24.81	21.93	-46.54	0.00					
MALAWI	31.06	29.46	10.98	7.25	-45.94	0.00				
MOZAMBIQUE	71.57	70.57	74.54	-10.06	11.93	-10.45	0.00			
MYANMAR	32.37	8.10	4.52	24.58	6.27	20.55	58.69	0.00		
NICARAGUA	-6.95	0.79	-0.85	20.15	9.61	18.76	53.57	14.45	0.00	
NIGER	32.80	28.18	31.95	11.91	-50.51	16.39	18.13	23.46	21.52	0.00
NIGERIA	-5.48	10.97	-13.68	12.97	-45.49	31.64	44.50	11.76	-19.67	37.88
PAKISTAN	24.51	11.48	26.65	7.55	-36.53	10.45	59.42	7.15	7.88	7.64
RWANDA	47.09	34.93	41.77	-9.68	0.93	-32.44	33.09	30.60	31.51	3.93
SIERRALEONE	30.87	31.26	17.78	-11.10	-51.38	8.74	-47.14	23.45	15.37	2.83
SRILANKAA	-38.24	-40.33	-40.68	-13.19	31.60	-19.98	34.52	-18.04	-24.19	-12.24
SUDAN	8.34	4.10	5.10	12.85	-49.31	16.97	63.77	9.60	-3.70	19.44
TANZANIA	9.45	10.76	8.72	6.13	-13.98	-4.79	64.18	2.88	0.48	23.14
TOGO	-0.09	-2.03	-1.58	23.45	-57.09	20.89	50.56	-8.98	-10.64	34.96
UPPERVOLTA	-14.05	-22.89	-17.58	-10.77	-94.69	8.37	-14.61	-31.37	-28.20	-23.09
ZAIRE	35.29	23.77	15.13	2.27	-1.98	-9.71	42.83	19.18	20.36	14.09
ZAMBIA	43.33	36.06	27.05	-6.98	3.38	-14.08	33.43	23.93	23.54	13.97
ZIMBABWE	-15.13	-16.16	-23.31	4.73	35.11	-6.15	49.83	-5.48	-3.21	10.59
ALGERIA	-89.02	-82.59	-57.19	-54.16	-4.53	-54.21	9.11	-68.46	-83.27	-48.82
ARGENTINA	-63.02	-51.75	-54.88	-37.95	3.90	-37.07	0.67	-31.75	-53.82	-32.28
BARBADOS	-33.09	-36.60	-27.56	-4.77	29.67	-7.37	41.89	-24.54	-24.89	-6.47
BOLIVIA	4.53	30.11	-9.29	22.88	-1.48	34.59	57.61	30.23	-15.85	40.01
BRAZIL	-0.46	-3.57	1.69	6.82	34.94	9.11	49.05	7.17	-7.16	12.25
CAMEROON	77.66	80.47	72.78	1.41	19.45	-4.41	27.46	53.36	56.05	30.05
CHILE	-12.02	0.87	-12.86	19.05	37.16	22.53	51.75	24.36	-1.32	21.43
COLOMBIA	-9.59	0.00	-2.59	18.12	52.58	19.33	62.96	16.57	-3.86	22.97
CONGO	27.47	40.38	21.29	16.83	-12.45	9.41	36.71	13.58	16.09	34.91
COSTARICA	-32.66	-28.89	-28.40	-1.50	35.54	-4.11	43.74	-10.39	-21.40	-0.82
CYPRUS	-39.52	-48.45	-23.05	-18.21	28.78	-23.49	37.46	-49.67	-35.60	-19.11
DOM REP	-1.48	-0.65	3.00	17.60	45.32	22.36	65.37	17.75	-10.24	22.31
ECUADOR	-5.81	8.26	-13.80	23.25	28.10	30.67	62.65	34.75	-11.19	29.94
ELSALVADOR	5.62	-1.34	3.75	26.32	26.54	27.37	73.34	10.47	-0.39	25.64
GREECE	-51.18	-51.61	-35.17	-23.05	23.45	-25.82	27.78	-41.32	-44.43	-22.63
GUATEMALA	-37.27	-43.99	-20.06	-18.29	24.63	-20.37	37.24	-15.56	-28.54	-16.32
GUYANA	-61.69	-65.01	-68.74	-44.11	3.08	-52.29	0.53	-52.00	-49.78	-39.53
IRAN	-20.22	21.26	4.50	52.39	6.43	51.75	91.30	4.72	-25.32	58.87
IRAQ	1.46	14.80	15.07	13.52	13.89	20.41	58.95	23.58	-7.96	24.44
IRELAND	-83.01	-81.98	-68.69	-48.55	-9.76	-54.49	-2.32	-75.35	-70.55	-49.20
ISRAEL	-70.25	-61.41	-55.65	-41.72	4.54	-42.25	3.23	-46.90	-61.66	-37.46
JORDAN	12.99	30.38	25.66	50.62	52.82	49.00	95.31	25.25	14.90	56.25
KOREAREP	-3.04	0.03	10.86	18.74	71.10	21.00	72.09	8.18	-6.43	25.36
MALAYSIA	-26.02	-23.38	-5.44	6.22	56.41	2.74	60.90	-13.65	-18.39	8.48
MAURITIUS	-45.02	-40.67	-32.97	-10.87	33.61	-16.73	38.40	-22.55	-28.43	-10.11
MEXICO	-18.51	-17.53	-6.95	4.25	41.83	1.78	48.74	-11.00	-13.40	6.68
MOROCCO	1.34	8.13	22.00	46.74	-5.84	43.12	86.99	3.85	-3.00	42.37
PANAMA	-53.10	-43.33	-43.01	-20.55	25.14	-23.31	26.22	-23.61	-39.19	-16.52
PAPUANG	0.53	1.37	-10.66	29.92	-12.44	31.84	79.28	-5.40	-10.10	38.53

TABLE III
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	11	12	13	14	15	16	17	18	19	20
PARAGUAY	-33.01	-33.40	-25.66	-6.74	33.72	-11.44	39.21	-23.79	-25.10	-5.14
PERU	-3.15	20.34	-14.71	32.98	11.68	39.66	53.18	42.46	-0.83	38.02
PHILIPPINES	-21.20	-16.80	-20.78	1.68	38.85	0.68	47.07	-1.49	-18.45	7.39
PORTUGAL	-14.18	-18.54	-2.59	17.53	54.96	10.00	66.49	-8.75	-1.98	14.54
SURINAME	-58.92	-53.51	-52.72	-28.76	13.23	-32.08	17.58	-36.18	-46.13	-26.17
SYRIANAR	2.39	6.70	19.16	37.64	37.97	32.17	84.53	7.24	10.32	36.80
THAILAND	-12.08	-19.64	-23.04	5.70	44.14	-1.75	52.33	-3.48	-5.32	8.20
TRIN&TOBBO	-66.25	-54.94	-53.60	-35.94	12.85	-33.10	13.00	-34.83	-60.09	-28.38
TURKEY	-2.56	23.49	4.48	73.00	-1.25	72.10	77.33	1.53	-8.76	66.43
URUGUAY	-70.21	-58.73	-60.30	-45.26	-1.67	-43.42	-3.84	-40.16	-62.26	-38.70
VENEZUELA	-6.11	-8.38	6.74	9.33	46.84	9.88	57.55	-7.99	-6.07	12.37
AUSTRALIA	-182.20	-165.19	-162.22	-135.75	-111.38	-133.13	-94.91	-154.69	-171.79	-130.09
AUSTRIA	-82.30	-77.43	-70.49	-45.41	-7.51	-50.38	-0.83	-65.10	-67.31	-45.36
BELGIUM	-70.05	-57.80	-39.01	-27.28	7.56	-34.14	21.53	-65.54	-60.11	-21.47
CANADA	-201.97	-185.75	-180.35	-150.22	-132.65	-147.87	-108.74	-179.47	-191.82	-145.53
DENMARK	-102.90	-94.33	-86.06	-68.43	-29.85	-69.14	-23.84	-83.73	-93.22	-65.39
FINLAND	-89.41	-80.79	-75.73	-56.02	-7.43	-57.67	-7.79	-64.22	-78.21	-51.67
FRANCE	-122.17	-111.63	-104.22	-80.13	-48.81	-81.59	-36.82	-101.77	-109.83	-77.68
FRG	-87.69	-79.57	-72.62	-54.50	-16.85	-54.66	-10.50	-68.22	-78.28	-51.71
HONGKONG	-61.25	-52.31	-45.18	-30.86	11.17	-32.53	13.18	-40.55	-51.17	-27.73
ICELAND	-101.55	-94.21	-84.42	-70.68	-29.42	-70.21	-24.54	-84.43	-94.20	-66.78
ITALY	-57.94	-55.88	-45.24	-26.48	13.58	-30.69	19.64	-47.59	-47.09	-26.35
JAPAN	-70.72	-62.54	-59.33	-41.75	6.29	-41.75	4.86	-45.97	-62.61	-37.23
NETHERLANDS	-90.29	-81.66	-75.95	-60.67	-15.56	-60.95	-15.89	-67.66	-81.27	-56.51
NEWZEALAND	-198.34	-180.19	-177.28	-149.22	-128.10	-146.51	-109.75	-170.63	-187.88	-143.45
NORWAY	-92.69	-83.43	-75.46	-60.10	-11.64	-59.02	-10.22	-68.56	-85.55	-54.15
SINGAPORE	-67.89	-56.37	-49.19	-36.09	3.86	-37.28	8.43	-46.50	-57.60	-31.57
SPAIN	-43.42	-40.01	-31.27	-15.04	29.07	-17.39	31.79	-30.08	-35.81	-13.05
SWEDEN	-153.89	-137.85	-135.56	-112.09	-80.55	-109.50	-69.12	-124.32	-143.50	-105.79
UK	-114.93	-104.33	-97.69	-77.93	-43.34	-78.56	-35.77	-93.73	-104.03	-74.85
USA	-299.00	-281.74	-275.09	-240.30	-233.25	-237.03	-200.76	-280.61	-289.88	-235.61

	21	22	23	24	25	26	27	28	29	30
NIGERIA	0.00									
PAKISTAN	14.52	0.00								
RWANDA	7.64	35.61	0.00							
SIERRALEONE	34.60	9.80	-20.38	0.00						
SRILANKA	-49.57	-17.46	6.45	-15.02	0.00					
SUDAN	8.89	14.39	23.76	23.13	-38.37	0.00				
TANZANIA	-13.87	24.62	23.77	5.65	-30.03	8.24	0.00			
TOGO	13.10	-7.12	7.95	26.54	-44.48	0.50	-4.00	0.00		
UPPERVOLTA	10.13	-48.78	-30.33	41.68	-62.01	-19.75	-21.57	-15.95	0.00	
ZAIRE	-15.28	20.67	13.09	-4.39	-10.76	4.85	-11.97	-13.16	-32.08	0.00
ZAMBIA	-4.39	33.04	19.11	-11.96	2.51	22.99	5.17	-2.44	-31.39	5.39
ZIMBABWE	-34.81	2.67	18.57	-1.70	-20.17	-18.09	-16.60	-24.46	-39.40	-0.63
ALGERIA	-81.55	-56.79	-9.05	-51.32	-38.49	-68.70	-47.36	-78.80	-107.51	-41.99
ARGENTINA	-77.64	-38.89	-13.94	-41.12	1.32	-54.29	-51.04	-63.67	-80.55	-32.46
BARBADOS	-37.10	-19.81	17.13	-5.41	10.57	-29.21	-20.64	-39.60	-63.02	-2.53
BOLIVIA	1.20	35.39	35.54	35.63	-37.85	24.71	1.54	9.52	3.78	11.63

TABLE III
CONTINUED

	21	22	23	24	25	26	27	28	29	30
BRAZIL	-19.77	2.63	35.92	3.87	14.36	-2.52	0.65	-18.96	-43.84	17.30
CAMEROON	51.94	64.07	42.70	-33.40	35.89	72.33	58.43	47.34	-22.08	47.68
CHILE	-22.58	13.34	33.69	21.04	-2.99	-3.04	-3.69	-10.12	-21.15	19.65
COLOMBIA	-17.04	16.56	45.13	18.88	4.25	1.87	5.95	-9.61	-28.53	25.15
CONGO	10.98	34.90	19.54	6.83	-12.34	32.20	12.42	18.75	-13.47	3.95
COSTARICA	-38.44	-10.25	19.96	-2.36	7.84	-25.64	-19.13	-34.66	-52.99	0.96
CYPRUS	-42.11	-31.88	16.43	-22.50	23.40	-34.71	-19.67	-49.67	-88.14	-9.96
DOM REP	-9.53	11.40	48.43	19.69	-0.61	3.67	8.93	-10.59	-31.80	28.44
ECUADOR	-8.11	22.02	41.50	32.76	-33.29	7.82	1.44	-3.80	-11.27	23.42
ELSALVADOR	0.87	17.02	50.22	31.35	-27.98	7.90	13.55	-5.94	-28.09	31.95
GREECE	-54.87	-35.07	8.89	-27.63	18.47	-43.21	-29.38	-55.35	-85.23	-15.05
GUATEMALA	-50.88	-20.10	17.35	-18.92	-4.73	-39.09	-18.53	-45.78	-68.89	-4.43
GUYANA	-78.28	-46.88	-24.76	-48.26	17.75	-62.90	-62.64	-75.82	-91.33	-46.41
KOREAREP	-62.68	-39.23	3.54	-35.56	34.42	-48.03	-36.55	-63.00	-85.07	-21.51
IRAN	6.98	46.45	51.82	42.48	-35.93	30.37	26.36	23.68	4.78	30.10
IRAQ	53.78	81.47	103.47	87.99	-37.25	68.18	71.08	55.89	29.53	77.87
IRELAND	-88.59	-60.08	-23.15	-55.75	-13.40	-70.45	-60.91	-79.21	-101.42	-45.86
ISRAEL	-105.48	-76.26	-40.83	-74.14	-19.49	-87.47	-78.88	-100.44	-123.65	-64.21
JORDAN	49.49	77.85	104.16	81.08	-12.69	66.42	68.52	52.78	26.54	82.60
MALAYSIA	-25.87	-3.04	39.57	2.91	17.54	-14.00	1.09	-24.72	-52.72	14.48
MAURITIUS	-48.98	-18.09	13.64	-14.15	-0.24	-35.92	-24.07	-43.26	-64.64	-6.73
MEXICO	-27.84	-5.60	31.70	-1.35	22.62	-12.56	-4.83	-26.40	-53.62	10.85
MOROCCO	18.57	23.44	54.72	43.75	-40.50	19.80	33.03	17.43	-16.57	37.23
PANAMA	-58.80	-23.35	4.69	-22.11	7.08	-40.97	-34.07	-50.01	-67.97	-16.13
PAPUANG	22.90	21.46	40.76	41.63	-55.74	18.66	8.29	4.41	-7.47	9.60
PARAGUAY	-40.07	-17.60	17.74	-11.37	16.46	-27.71	-20.55	-40.80	-63.40	-3.35
PERU	-9.64	26.01	30.61	38.95	-37.47	10.34	-3.22	5.82	5.54	19.54
PHILIPPINES	-30.31	-1.39	26.61	1.53	2.62	-14.21	-13.34	-28.18	-44.53	5.32
PORTUGAL	-17.50	0.96	39.26	12.01	14.60	-10.71	3.78	-18.22	-45.79	20.26
SURINAME	-64.40	-33.83	-4.59	-29.33	0.86	-49.21	-43.99	-60.75	-78.61	-25.88
SYRIANAR	4.47	26.40	59.79	34.13	-30.26	14.88	26.75	4.60	-22.75	42.28
THAILAND	-26.03	0.61	23.66	3.92	-14.08	-16.59	-13.22	-26.44	-42.87	6.07
TRIN&TOBOB	-70.24	-37.62	-6.28	-34.50	1.10	-51.93	-46.00	-61.33	-77.81	-29.92
TURKEY	31.18	22.89	45.96	70.91	-51.43	29.32	19.53	28.48	21.05	26.83
URUGUAY	-82.67	-44.08	-18.16	-45.95	-6.27	-59.13	-55.62	-69.43	-87.06	-38.69
VENEZUELA	-14.37	2.88	44.22	7.21	32.73	0.44	8.31	-16.69	-50.78	19.96
AUSTRALIA	-174.86	-147.61	-117.62	-128.45	-141.93	-158.18	-153.72	-163.55	-171.77	-142.30
AUSTRIA	-84.61	-58.78	-25.79	-48.65	-32.08	-71.74	-63.13	-79.72	-100.24	-46.33
BELGIUM	-62.27	-38.74	1.24	-32.20	-30.23	-44.71	-32.57	-55.29	-84.19	-29.32
CANADA	-187.96	-167.28	-134.45	-140.11	-170.15	-175.20	-170.33	-180.39	-186.55	-160.79
DENMARK	-105.33	-78.41	-43.21	-69.85	-45.05	-88.57	-80.64	-98.00	-119.43	-66.51
FINLAND	-93.11	-61.93	-28.86	-58.04	-24.15	-76.35	-67.87	-85.47	-105.42	-51.91
FRANCE	-119.06	-94.19	-60.42	-79.53	-76.18	-104.60	-97.13	-111.62	-128.49	-83.49
FRG	-91.05	-63.91	-29.42	-55.27	-32.07	-74.22	-67.04	-84.05	-105.28	-52.02
HONGKONG	-68.28	-36.34	-1.77	-34.97	-3.80	-48.43	-39.12	-59.35	-84.34	-24.35
ICELAND	-104.74	-78.82	-41.84	-71.43	-40.60	-87.55	-79.42	-98.64	-122.19	-66.17
ITALY	-61.94	-39.17	-1.83	-30.43	-1.04	-48.79	-39.36	-59.86	-85.67	-23.81
JAPAN	-77.40	-45.43	-11.89	-43.26	-4.03	-58.85	-51.47	-70.40	-91.60	-34.81
NETHERLANDS	-97.37	-65.88	-32.26	-63.22	-23.87	-77.94	-70.39	-88.68	-111.03	-54.92
NEWZEALAND	-189.19	-163.09	-133.15	-141.53	-159.83	-173.04	-168.74	-177.42	-183.52	-157.95
NORWAY	-94.29	-65.86	-29.53	-60.52	-25.74	-77.48	-68.52	-87.32	-108.13	-54.63

TABLE III
CONTINUED

	21	22	23	24	25	26	27	28	29	30
SINGAPORE	-73.32	-38.94	-6.50	-38.07	-16.31	-51.66	-43.07	-62.12	-86.12	-30.37
SPAIN	-49.10	-24.23	13.65	-18.90	19.52	-33.98	-24.94	-46.50	-72.51	-9.28
SWEDEN	-150.55	-119.65	-90.56	-106.36	-108.54	-132.21	-127.27	-138.34	-149.41	-114.69
UK	-116.66	-88.63	-55.41	-78.74	-61.66	-99.19	-92.16	-107.45	-126.52	-78.04
USA	-277.23	-263.38	-228.79	-224.93	-274.51	-267.91	-263.75	-272.08	-271.28	-257.12
	31	32	33	34	35	36	37	38	39	40
ZAMBIA	0.00									
ZIMBABWE	9.82	0.00								
ALGERIA	-28.15	-48.73	0.00							
ARGENTINA	-29.78	-33.15	-57.69	0.00						
BARBADOS	7.32	-5.82	-61.99	16.70	0.00					
BOLIVIA	21.02	-29.55	-78.74	-78.33	-31.39	0.00				
BRAZIL	17.75	12.73	-59.74	-32.16	-3.07	-18.46	0.00			
CAMEROON	31.93	48.14	4.21	-0.55	35.68	63.88	42.95	0.00		
CHILE	24.58	-0.69	-80.86	-47.52	-2.55	-18.53	18.91	55.18	0.00	
COLOMBIA	33.10	7.98	-66.33	-46.58	-13.85	-14.42	21.45	62.62	-14.33	0.00
CONGO	-11.22	0.67	-48.12	-47.31	-11.42	13.09	-3.51	27.20	10.20	12.86
COSTARICA	10.24	-9.93	-67.13	-5.04	-0.22	-32.54	8.77	42.54	-4.26	-9.01
CYPRUS	-0.11	-2.55	-7.54	24.41	-17.66	-39.64	-22.51	23.21	-18.04	-17.95
DOM REP	33.84	9.60	-78.86	-48.45	-23.75	-5.65	2.71	62.70	-4.08	-0.59
ECUADOR	33.62	-18.88	-91.35	-70.30	-31.49	-1.89	0.88	66.47	-15.07	-18.05
ELSALVADOR	48.71	-2.42	-86.90	-44.18	-41.54	17.26	6.07	73.89	4.56	4.00
GREECE	-8.71	-16.51	-43.84	10.18	-28.81	-53.04	-27.42	19.93	-31.32	-33.52
GUATEMALA	9.41	-6.49	-37.54	-22.35	-6.79	-32.77	8.67	39.65	-0.59	16.87
GUYANA	-37.11	-49.66	-35.79	7.64	33.61	-73.32	-12.08	-3.86	0.63	-3.00
IRAN	47.84	-25.45	-107.64	-94.19	-70.28	12.09	-41.57	91.59	-42.28	-42.55
IRAQ	37.79	2.43	-62.60	-61.79	-18.55	-6.24	-3.73	65.18	-12.88	-0.05
IRELAND	-40.27	-45.00	-67.81	-2.52	-49.67	-84.83	-57.16	-11.87	-56.85	-68.66
ISRAEL	-30.22	-36.78	-47.98	-7.35	-16.37	-78.87	-45.65	-1.33	-66.50	-61.11
JORDAN	63.93	10.72	-84.64	-79.20	-55.53	16.44	-11.53	93.30	-32.33	-29.97
KOREAREP	34.10	23.90	-34.88	-23.30	-12.43	-10.13	4.11	63.47	-19.11	-1.52
MALAYSIA	22.84	11.77	-48.64	-18.75	-31.34	-24.49	-0.44	54.84	-22.74	-12.27
MAURITIUS	4.39	-13.03	-50.37	-5.15	-5.59	-41.88	4.44	37.44	-12.78	-6.82
MEXICO	14.36	10.66	-53.66	-9.20	-5.95	-28.24	-5.06	40.72	6.61	3.58
MOROCCO	49.71	-1.28	-95.13	-61.32	-49.88	22.95	-17.66	87.53	-13.39	-13.53
PANAMA	-6.46	-22.97	-49.46	-8.20	10.66	-55.32	-5.64	25.27	-22.10	-21.18
PAPUANG	29.06	-36.67	-81.35	-63.61	-48.38	25.23	-11.79	79.46	-13.05	-11.26
PARAGUAY	1.60	-9.56	-58.43	-8.21	-11.19	-37.81	-3.13	33.42	3.70	-0.23
PERU	23.47	-20.21	-97.45	-81.36	-27.59	-11.29	-8.38	60.09	-16.83	-23.44
PHILIPPINES	11.91	-10.46	-61.85	-33.69	-8.00	-28.91	8.68	44.28	2.60	7.97
PORTUGAL	29.70	20.22	-54.22	4.60	-26.12	-12.27	18.99	61.01	1.84	5.22
SURINAME	-15.33	-35.33	-54.53	2.03	7.73	-58.90	-12.43	15.42	-8.21	-16.26
SYRIANAR	52.46	8.61	-87.95	-52.13	-49.46	10.31	-1.87	83.25	-9.45	-7.13
THAILAND	16.93	-10.54	-49.55	-16.60	-7.08	-15.72	24.82	51.33	10.35	18.41
TRIN&TOBOB	-22.42	-30.60	-54.94	-35.77	18.88	-72.03	-34.55	9.47	-64.31	-61.47
TURKEY	26.07	-17.41	-117.56	-88.76	-75.38	13.13	-58.32	68.91	-30.95	-42.74
URUGUAY	-32.50	-38.85	-52.27	-19.70	10.47	-82.80	-41.10	-5.86	-64.62	-56.11
VENEZUELA	26.35	22.19	-28.26	8.70	3.65	-12.73	-3.28	45.61	11.91	12.31

TABLE III
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	31	32	33	34	35	36	37	38	39	40
AUSTRALIA	-131.26	-141.91	-163.77	-154.96	-129.40	-182.42	-166.30	-102.71	-197.74	-194.35
AUSTRIA	-37.07	-46.71	-72.36	-1.58	-32.27	-83.10	-48.05	-6.75	-56.00	-68.29
BELGIUM	-22.11	-24.55	-32.66	-52.26	-63.44	-74.13	-68.50	5.50	-87.30	-76.77
CANADA	-148.42	-162.27	-191.57	-174.50	-167.85	-197.14	-190.50	-119.03	-211.33	-216.79
DENMARK	-59.15	-63.08	-81.41	-42.18	-46.20	-107.75	-83.64	-31.79	-97.68	-101.31
FINLAND	-44.34	-53.01	-58.72	-22.75	-19.99	-93.37	-54.79	-12.44	-78.02	-79.84
FRANCE	-74.19	-81.26	-107.86	-68.67	-74.27	-122.88	-101.00	-45.12	-116.86	-125.03
FRG	-44.16	-50.14	-74.19	-26.47	-32.00	-92.30	-67.90	-17.73	-80.36	-84.88
HONGKONG	-19.84	-28.41	-44.44	-5.07	-23.29	-68.47	-38.99	8.31	-56.64	-51.65
ICELAND	-58.91	-62.16	-73.60	-40.15	-45.62	-106.95	-85.35	-33.56	-95.47	-97.26
ITALY	-15.78	-23.45	-52.73	23.20	-20.91	-60.76	-32.54	11.47	-34.14	-43.70
JAPAN	-28.65	-41.12	-51.12	-10.84	-17.90	-76.74	-41.49	1.01	-64.44	-61.77
NETHERLANDS	-49.50	-54.18	-61.54	-20.96	-26.03	-98.19	-66.22	-21.67	-85.13	-83.25
NEWZEALAND	-147.74	-157.32	-182.97	-175.91	-147.50	-198.61	-184.81	-118.19	-216.87	-213.31
NORWAY	-47.41	-52.14	-62.24	-41.63	-25.71	-97.31	-67.37	-17.21	-94.71	-91.86
SINGAPORE	-23.15	-32.52	-40.43	-25.57	-26.81	-74.30	-47.64	3.46	-71.57	-60.81
SPAIN	-3.85	-12.94	-43.92	17.93	-13.01	-48.78	-20.78	24.52	-27.67	-30.95
SWEDEN	-103.41	-113.78	-128.20	-121.26	-91.56	-155.78	-131.97	-75.23	-168.90	-160.87
UK	-69.95	-74.93	-95.76	-60.61	-58.83	-119.91	-96.58	-43.37	-113.41	-115.91
USA	-243.55	-260.42	-293.62	-277.38	-280.64	-290.43	-295.35	-213.91	-308.83	-317.26

	41	42	43	44	45	46	47	48	49	40
CONGO	0.00									
COSTARICA	-7.22	0.00								
CYPRUS	-22.77	-4.68	0.00							
DOM REP	11.20	-13.48	-37.61	0.00						
ECUADOR	16.54	-34.29	-40.82	-1.49	0.00					
ELSALVADOR	29.49	-29.49	-53.04	-3.70	14.44	0.00				
GREECE	-29.38	-13.17	-12.07	-48.01	-55.16	-59.90	0.00			
GUATEMALA	-6.71	-3.43	5.24	-1.31	-22.65	-17.32	-7.10	0.00		
GUYANA	-52.22	21.42	32.09	-21.10	-53.16	-46.36	27.35	-21.29	0.00	
IRAN	55.42	-65.84	-74.93	-47.95	-33.42	-22.94	-89.24	-46.71	-86.21	0.00
IRAQ	26.01	-17.52	-19.32	-1.75	-4.62	22.47	-36.65	-12.45	-41.50	10.53
IRELAND	-58.38	-52.02	-11.80	-80.48	-89.26	-91.09	-48.39	-42.68	-10.13	-118.14
ISRAEL	-49.44	-25.85	10.10	-64.67	-78.02	-61.49	-0.40	-21.98	5.31	-103.37
JORDAN	46.77	-46.87	-60.41	-27.71	-13.81	12.72	-76.54	4.85	-47.55	-7.58
KOREAREP	8.99	14.61	-22.92	-2.34	-11.90	-7.79	-28.25	35.50	38.56	-44.43
MALAYSIA	2.87	-19.04	-14.37	-21.38	-35.25	-34.90	-29.29	20.58	13.79	-59.27
MARITIUS	-11.44	-10.69	12.90	-19.41	-46.93	-38.90	2.89	-0.97	8.08	-69.80
MEXICO	-6.09	10.83	-20.42	-23.42	-24.98	-22.08	-24.35	15.34	11.20	-58.67
MOROCCO	60.93	-39.84	-62.01	-20.63	-5.94	-16.31	-69.09	-42.27	-60.40	16.13
PANAMA	-24.05	-1.82	24.33	-28.21	-60.48	-37.54	11.09	-8.00	15.01	-80.04
PAPUANG	27.99	-42.65	-55.45	-7.00	-1.53	-8.16	-60.29	-43.55	-83.89	11.62
PARAGUAY	-16.46	5.66	-18.03	-22.97	-35.47	-40.13	-13.52	-0.12	2.89	-71.70
PERU	19.09	-32.82	-41.23	-9.67	-10.70	14.88	-56.01	-31.39	-59.06	-16.92
PHILIPPINES	-7.85	-2.39	-16.56	4.60	-24.05	-11.64	-22.73	-0.54	-23.80	-56.24
PORTUGAL	13.81	-1.85	-20.88	-3.22	-19.26	-27.84	-20.68	15.84	23.88	-46.90
SURINAME	-33.45	-2.01	12.77	-35.39	-59.13	-48.12	4.13	-17.74	3.82	-88.53
SYRIANARR	39.47	-37.50	-55.46	-18.62	-9.84	-19.02	-62.78	-10.81	-48.29	-19.94

TABLE III
CONTINUED

	41	42	43	44	45	46	47	48	49	50
THAILAND	2.31	-0.11	-8.87	23.34	-6.93	-8.37	-9.77	1.24	-26.41	-37.43
TRIN&TOBOB	-42.77	-22.91	41.74	-49.74	-76.89	-53.44	-7.27	-26.60	14.89	-98.03
TURKEY	36.45	-60.35	-102.82	-48.02	-19.59	-30.27	-101.17	-43.61	-81.66	-11.79
URUGUAY	-52.26	-16.28	32.43	-57.38	-76.64	-49.96	-0.81	-26.27	1.56	-99.26
VENEZUELA	2.39	17.37	-16.85	-13.20	-7.61	-6.59	-26.84	30.14	25.35	-40.80
AUSTRALIA	-146.72	-163.08	-90.15	-185.60	-195.22	-172.90	-160.12	-147.83	-128.15	-205.15
AUSTRIA	-53.56	-54.38	7.50	-74.08	-88.84	-82.87	-34.64	-42.67	-8.94	-114.53
BELGIUM	-38.37	-62.28	-30.35	-85.25	-89.67	-73.08	-73.37	-18.69	-30.30	-92.35
CANADA	-162.59	-194.63	-131.11	-211.24	-215.01	-199.44	-202.06	-171.66	-156.41	-224.47
DENMARK	-78.02	-69.24	-10.44	-103.55	-111.82	-99.03	-66.41	-60.75	-31.01	-135.28
FINLAND	-63.02	-52.15	33.25	-76.23	-98.44	-82.47	-12.21	-43.42	-4.31	-121.51
FRANCE	-90.36	-100.32	-35.30	-124.13	-133.10	-120.26	-99.20	-84.74	-59.56	-151.64
FRG	-63.60	-53.73	-3.41	-87.96	-95.29	-82.98	-55.34	-47.05	-17.63	-120.32
HONGKONG	-38.00	-25.19	-1.66	-59.44	-69.35	-53.82	-11.79	-12.92	3.42	-91.96
ICELAND	-79.41	-64.84	-10.94	-102.85	-108.99	-97.36	-64.92	-57.75	-28.40	-134.41
ITALY	-35.04	-22.90	-1.22	-55.70	-63.23	-61.69	-27.78	-16.26	15.42	-93.51
JAPAN	-49.17	-28.52	8.75	-60.90	-77.05	-62.58	3.05	-24.68	8.76	-104.83
NETHERLANDS	-68.96	-46.28	10.16	-85.31	-97.87	-81.73	-27.27	-43.55	-10.65	-123.40
NEWZEALAND	-161.94	-181.39	-109.86	-203.51	-212.77	-190.16	-179.43	-165.77	-146.99	-220.80
NORWAY	-67.79	-56.39	28.91	-85.83	-103.00	-87.27	-35.54	-48.10	-9.90	-126.29
SINGAPORE	-41.33	-36.62	5.56	-67.52	-77.23	-55.83	-28.94	-17.87	-9.58	-93.05
SPAIN	-24.26	-4.86	-6.58	-40.60	-49.25	-45.11	-1.18	-0.24	29.74	-80.78
SWEDEN	-120.39	-128.23	-46.79	-151.45	-165.76	-141.15	-118.10	-116.03	-92.87	-177.38
UK	-88.20	-83.60	-25.36	-116.60	-124.94	-109.23	-81.43	-74.34	-47.85	-145.15
USA	-256.26	-300.31	-249.31	-314.87	-312.63	-301.85	-318.58	-273.62	-263.14	-319.17

	51	52	53	54	55	56	57	58	59	60
IRAQ	0.00									
IRELAND	-64.59	0.00								
ISRAEL	-61.30	-20.33	0.00							
JORDAN	39.27	-107.60	-94.65	0.00						
KOREAREP	2.25	-71.10	-51.98	-39.05	0.00					
MALAYSIA	-6.37	-65.97	-35.57	-41.92	9.26	0.00				
MARITIUS	-20.32	-38.05	-12.92	-39.79	29.02	10.05	0.00			
MEXICO	-8.65	-53.60	-34.05	-46.85	-9.64	-2.83	17.35	0.00		
MOROCCO	17.98	-92.39	-75.33	19.14	-20.49	-37.01	-45.80	-32.15	0.00	
PANAMA	-34.60	-28.72	-13.35	-55.50	19.76	0.36	1.43	11.44	-49.56	0.00
PAPUANG	12.96	-94.71	-71.61	16.63	-6.72	-31.96	-53.62	-28.57	7.74	-55.73
PARAGUAY	-17.29	-57.64	-24.16	-48.30	18.13	-6.16	3.43	2.74	-44.83	2.51
PERU	-15.53	-81.95	-84.38	-4.25	-22.86	-34.26	-44.27	-24.68	11.64	-59.88
PHILIPPINES	-10.27	-63.09	-42.92	-28.09	20.59	-4.81	-11.47	-0.68	-25.82	-20.19
PORTUGAL	5.09	-55.70	-19.46	-26.05	17.12	-1.14	10.44	17.74	-28.52	12.69
SURINAME	-36.94	-35.94	-7.31	-61.30	15.25	-14.03	-11.66	1.92	-60.11	-0.04
SYRIANARR	32.02	-93.25	-67.35	17.30	-15.33	-34.21	-38.97	-24.91	-4.52	-43.00
THAILAND	3.40	-53.59	-25.73	-3.90	43.40	9.52	-12.11	16.07	-18.67	-11.70
TRIN&TOBOB	-58.80	-9.67	-40.26	-85.65	-17.53	-23.21	-19.11	-24.91	-64.94	-26.59
TURKEY	-1.25	-126.22	-109.49	-24.63	-62.42	-66.12	-63.36	-75.40	4.34	-72.13
URUGUAY	-65.80	1.27	-13.59	-86.56	-35.65	-27.33	-12.87	-22.25	-67.71	-15.10
VENEZUELA	6.20	-40.05	-23.02	-29.43	-22.34	0.94	27.23	-6.40	-23.98	28.13

TABLE III
CONTINUED

	51	52	53	54	55	56	57	58	59	60
AUSTRALIA	-169.58	-100.34	-177.04	-208.21	-189.90	-167.45	-151.87	-164.97	-171.58	-156.96
AUSTRIA	-63.59	4.01	-19.28	-102.80	-58.18	-63.78	-41.99	-41.81	-85.97	-33.32
BELGIUM	-46.25	-51.35	-71.91	-94.66	-103.39	-54.04	-31.98	-70.21	-64.53	-40.36
CANADA	-185.10	-143.42	-201.45	-231.32	-225.33	-201.04	-181.46	-196.56	-192.61	-183.73
DENMARK	-90.77	-9.78	-65.97	-132.25	-111.16	-81.13	-56.07	-79.87	-105.55	-54.73
FINLAND	-75.38	1.13	-23.52	-109.71	-49.02	-52.08	-38.96	-44.55	-90.64	-38.27
FRANCE	-106.43	-39.14	-92.33	-150.10	-128.39	-109.01	-86.81	-100.59	-120.08	-86.27
FRG	-76.06	-7.15	-54.50	-116.78	-97.16	-68.41	-42.57	-64.72	-91.41	-40.25
HONGKONG	-49.58	-30.54	-10.97	-83.46	-55.33	-33.71	-9.42	-29.60	-66.20	-10.67
ICELAND	-90.25	-13.36	-61.52	-130.91	-110.83	-78.18	-51.89	-81.54	-106.60	-49.99
ITALY	-41.27	-23.40	-2.27	-84.37	-54.91	-41.68	-10.47	-29.41	-68.54	-0.81
JAPAN	-60.44	-31.21	-10.13	-95.36	-43.67	-39.57	-18.80	-33.81	-76.86	-16.94
NETHERLANDS	-80.61	-3.25	-32.85	-116.60	-79.40	-58.02	-34.62	-56.57	-94.06	-33.62
NEWZEALAND	-186.52	-118.20	-198.69	-225.51	-209.21	-185.13	-169.96	-183.88	-186.33	-175.96
NORWAY	-82.26	1.60	-52.54	-120.07	-70.25	-60.03	-42.66	-60.99	-95.15	-43.98
SINGAPORE	-53.67	-25.76	-36.24	-85.75	-65.15	-39.77	-18.87	-38.17	-66.70	-22.54
SPAIN	-30.98	-42.21	-3.70	-72.68	-41.90	-23.67	7.18	-17.87	-55.94	14.51
SWEDEN	-142.03	-60.65	-134.29	-176.09	-147.79	-130.87	-117.94	-127.00	-144.07	-123.22
UK	-103.20	-23.58	-87.24	-143.18	-124.44	-94.39	-71.04	-92.28	-114.28	-71.60
USA	-280.33	-259.19	-305.70	-330.77	-340.08	-308.62	-286.43	-306.75	-288.76	-287.33

	61	62	63	64	65	66	67	68	69	70
PAPUANG	0.00									
PARAGUAY	-47.02	0.00								
PERU	4.37	-33.31	0.00							
PHILIPPINES	-29.95	-8.95	-28.46	0.00						
PORTUGAL	-31.73	8.43	-12.96	8.92	0.00					
SURINAME	-66.84	-12.73	-56.61	-29.62	-3.56	0.00				
SYRIANARR	-4.54	-41.27	2.96	-20.45	-24.91	-55.33	0.00			
THAILAND	-38.46	4.71	-12.53	15.28	8.82	-22.00	-9.65	0.00		
TRIN&TOBOB	-63.00	-23.99	-82.88	-39.79	-2.82	-18.59	-63.43	-20.10	0.00	
TURKEY	9.34	-75.21	11.87	-52.66	-49.13	-83.93	-26.05	-31.25	-92.03	0.00
URUGUAY	-68.96	-21.78	-88.24	-42.40	-6.92	-3.86	-60.02	-25.71	-34.21	-99.02
VENEZUELA	-15.05	0.16	-11.27	7.29	12.64	23.91	-15.24	21.59	-0.22	-75.74
AUSTRALIA	-173.13	-166.43	-190.19	-173.60	-145.31	-151.31	-181.80	-154.83	-144.69	-205.28
AUSTRIA	-91.22	-51.03	-81.43	-60.45	-49.77	-35.17	-87.13	-53.64	-16.24	-114.22
BELGIUM	-67.06	-65.15	-85.93	-68.18	-43.64	-49.06	-68.92	-46.37	-51.52	-119.52
CANADA	-193.06	-199.04	-204.48	-199.30	-180.37	-181.99	-207.73	-181.69	-166.14	-227.60
DENMARK	-104.25	-74.88	-110.24	-84.49	-60.96	-52.64	-106.37	-66.87	-46.52	-142.95
FINLAND	-91.70	-45.28	-99.58	-62.30	-37.13	-33.44	-88.59	-48.79	-25.67	-119.49
FRANCE	-122.15	-103.10	-125.23	-109.12	-88.48	-85.47	-126.58	-93.69	-69.90	-154.09
FRG	-89.65	-59.98	-94.01	-68.78	-48.36	-36.81	-91.45	-52.53	-36.12	-128.25
HONGKONG	-62.91	-21.73	-73.46	-37.42	-19.65	-6.25	-57.88	-21.79	-44.10	-101.78
ICELAND	-102.71	-73.15	-109.96	-81.90	-60.26	-47.53	-105.57	-64.02	-42.99	-147.01
ITALY	-68.06	-28.51	-59.47	-35.71	-28.70	-3.53	-66.49	-25.61	-2.95	-104.35
JAPAN	-72.91	-24.16	-83.39	-41.49	-26.09	-7.58	-70.52	-27.05	-38.95	-108.12
NETHERLANDS	-91.89	-48.90	-102.07	-64.96	-39.97	-27.45	-89.33	-47.99	-40.48	-129.72
NEWZEALAND	-188.10	-184.92	-206.57	-191.96	-161.81	-171.10	-198.28	-171.91	-163.26	-219.57
NORWAY	-91.40	-56.41	-106.18	-69.01	-41.71	-40.74	-94.96	-50.19	-24.14	-128.52

TABLE III
CONTINUED

	61	62	63	64	65	66	67	68	69	70		
SINGAPORE	-65.98	-35.68	-81.90	-48.41	-25.95	-17.97	-60.64	-32.08	-49.24	-105.66		
SPAIN	-51.19	-6.30	-51.23	-18.16	-10.30	14.92	-50.58	-4.62	-13.29	-92.40		
SWEDEN	-145.83	-129.79	-164.63	-139.92	-110.14	-115.39	-150.64	-122.68	-111.14	-176.58		
UK	-114.68	-88.57	-122.05	-98.69	-73.13	-68.37	-116.35	-80.96	-65.89	-150.88		
USA	-287.78	-307.98	-298.14	-303.10	-289.18	-288.78	-309.29	-284.89	-267.05	-325.01		
	71	72	73	74	75	76	77	78	79	80		
URUGUAY	0.00											
VENEZUELA	8.92	0.00										
AUSTRALIA	-141.46	-130.25	0.00									
AUSTRIA	2.72	-20.06	-111.48	0.00								
BELGIUM	-45.06	-65.04	-111.40	-46.90	0.00							
CANADA	-160.21	-162.98	-21.06	-151.42	-142.57	0.00						
DENMARK	-29.26	-58.22	-92.84	-12.86	-67.20	-131.25	0.00					
FINLAND	-19.58	-22.88	-139.42	-12.15	-53.81	-171.31	-33.06	0.00				
FRANCE	-56.71	-72.15	-61.26	-48.28	-65.54	-104.78	-22.83	-68.46	0.00			
FRG	-12.46	-42.64	-103.99	-4.67	-67.92	-141.31	-16.74	-27.11	-34.55	0.00		
HONGKONG	-11.22	-22.00	-173.54	-27.08	-71.22	-201.68	-72.55	-33.18	-95.21	-61.02		
ICELAND	-24.72	-63.00	-89.81	-12.75	-75.90	-127.17	-4.74	-27.47	-24.60	-14.03		
ITALY	24.67	-17.98	-127.60	-4.92	-61.56	-171.58	-34.93	-3.18	-68.49	-21.79		
JAPAN	-17.87	-21.71	-185.79	-32.97	-82.24	-215.78	-72.89	-29.80	-108.41	-60.79		
NETHERLANDS	-11.77	-38.08	-143.59	-4.36	-69.59	-171.34	-34.90	-15.39	-62.64	-27.31		
NEWZEALAND	-163.67	-150.64	-22.70	-129.68	-127.85	-6.72	-113.60	-158.20	-79.09	-125.13		
NORWAY	-34.62	-38.13	-130.52	-10.67	-59.79	-161.45	-34.10	-12.11	-60.51	-32.91		
SINGAPORE	-16.38	-14.94	-146.69	-24.22	-41.11	-170.09	-53.23	-38.76	-72.51	-42.54		
SPAIN	3.70	-19.07	-166.63	-29.88	-85.77	-209.38	-75.50	-20.08	-105.01	-61.97		
SWEDEN	-106.74	-90.35	-32.76	-73.83	-76.70	-51.58	-49.84	-102.52	-24.14	-61.19		
UK	-48.34	-69.00	-79.58	-28.37	-69.71	-113.26	-16.49	-53.02	-12.34	-28.93		
USA	-263.06	-276.90	-120.53	-261.07	-249.74	-101.30	-239.87	-274.54	-209.63	-250.34		
	81	82	83	84	85	86	87	88	89	90	91	92
HONGKONG	0.00											
ICELAND	-71.56	0.00										
ITALY	-12.60	-34.44	0.00									
JAPAN	-20.85	-64.75	-12.76	0.00								
NETHERLANDS	-39.67	-28.61	-4.47	-36.16	0.00							
NEWZEALAND	-194.80	-111.88	-147.09	-205.62	-165.15	0.00						
NORWAY	-60.63	-29.87	-20.03	-61.64	-35.18	-148.81	0.00					
SINGAPORE	-28.87	-49.88	-13.81	-42.90	-38.14	-168.66	-56.92	0.00				
SPAIN	-13.91	-73.50	-22.27	-2.64	-33.97	-186.55	-46.86	-31.35	0.00			
SWEDEN	-132.38	-45.75	-86.18	-145.01	-99.81	-54.58	-90.76	-108.60	-123.86	0.00		
UK	-90.93	-18.09	-48.52	-92.73	-57.08	-100.22	-53.90	-67.82	-89.03	-40.09	0.00	
USA	-307.74	-238.46	-289.82	-317.05	-275.45	-99.70	-261.93	-273.58	-329.20	-152.39	-218.69	0.00

The sum of the gaps between a country and other countries pictures the change of the relative position of that country among the sample countries. Table IV presents relative position of a country with respect to all other sample countries and Tables V, VI and VII depict the position of a low income country compared to all other low income countries, position of a middle income country relative to all other middle income countries and position of a high income country among the high income countries respectively. Main observations are summarized as follows:

- (i) It has been found from Table IV that except Ethiopia, Mozambique, Rwanda and Cameroon each country has reduced distance with all other countries as indicated by the negative signs.
- (ii) As has been evidenced from Table VI all the middle income countries have come closer to all others.
- (iii) Similar picture is portrayed in Table VII for the countries belonging to the high income group.
- (iv) But the picture seems to be somehow different as has been observed from the within group comparison of the low income countries (Table IV). The positive sign for 26 countries out of 32 indicates that most of the low income countries has been moved away from the other low income countries. Benin, Gambia, Madagascar, Sri Lanka, Upper Volta and Zimbabwe are the six countries which have reduced the gap with other low income countries.

5. SUMMARY AND CONCLUDING REMARKS

This study presents pairwise distances between 92 countries in terms of their social development at two points of time: 1960 and 1994. In order to obtain the distance between any two countries, D^2 -statistics is used. This paper also throws light to the change of distance between the different pairs over the period under consideration (i.e., 1960 to 1994). This pictures whether any two countries have converged or diverged in respect of social development over the period. Apart from the entire sample, this study also attempts to find pairwise distances of countries belonging to different income groups: low, middle and high.

TABLE IV
CHANGED POSITION OF A COUNTRY
COMPARED TO ALL OTHER SAMPLE COUNTRIES

BANGLADESH	-1371.61	CHILE	-2613.69
BENIN	-4112.33	COLOMBIA	-2455.53
BURUNDI	-269.69	CONGO	-1293.03
CAFRREP	-2926.21	COSTARICA	-2699.30
EGYPT	-2034.21	CYPRUS	-2131.61
ETHIOPIA	296.56	DOM REP	-2710.68
GAMBIA	-3378.00	ECUADOR	-3179.19
GHANA	-1963.99	ELSALVADOR	-2578.94
GUINEA	-1753.28	GREECE	-3704.35
HAITI	-2915.54	GUATEMALA	-2491.33
HONDURUS	-2704.88	GUYANA	-3181.78
INDIA	-2418.77	IRAN	-4436.12
KENYA	-2237.11	IRAQ	-1878.42
LIBERIA	-1232.98	IRELAND	-3929.19
MADAGASCAR	-657.25	ISRAEL	-4871.73
MALAWI	-1305.10	JORDAN	-3829.06
MOZAMBIQUE	2277.05	KOREAREP	-1580.34
MYANMAR	-1867.98	MALAYSIA	-2606.70
NICARAGUA	-2709.28	MAURITIUS	-2677.76
NIGER	-786.36	MEXICO	-2422.87
NIGERIA	-3214.74	MOROCCO	-2602.86
PAKISTAN	-1583.12	PANAMA	-3039.97
RWANDA	314.74	PAPUANG	-2942.00
SIERRALEONE	-1219.31	PARAGUAY	-2985.83
SRILANKA	-2174.34	PERU	-3052.32
SUDAN	-2303.27	PHILIPPINES	-2757.36
TANZANIA	-2023.29	PORTUGAL	-1639.39
TOGO	-3057.05	SURINAME	-3490.02
UPPERVOLTA	-5024.26	SYRIANAR	-2566.93
ZAIRE	-1191.00	THAILAND	-1985.61
ZAMBIA	-528.86	TRIN&TOBOB	-4101.43
ZIMBABWE	-2095.29	TURKEY	-4048.58
ALGERIA	-6136.68	URUGUAY	-4096.37
ARGENTINA	-3808.00	VENEZUELA	-1311.23
BARBADOS	-2551.60	AUSTRALIA	-13274.05
BOLIVIA	-2793.52	AUSTRIA	-4937.89
BRAZIL	-2127.85	BELGIUM	-5277.83
CAMEROON	2149.57	CANADA	-15386.53

TABLE IV
CONTINUED

DENMARK	-6708.25	NETHERLANDS	-5805.97
FINLAND	-5428.43	NEWZEALAND	-14750.67
FRANCE	-8258.60	NORWAY	-5937.69
FRG	-5701.19	SINGAPORE	-4564.72
HONGKONG	-4387.46	SPAIN	-3344.19
ICELAND	-6617.91	SWEDEN	-10576.53
ITALY	-3684.55	UK	-7687.85
JAPAN	-4954.11	USA	-24426.99

TABLE V
CHANGED POSITION OF A LOW INCOME COUNTRY
COMPARED TO OTHER LOW INCOME COUNTRIES

BANGLADESH	208.16	MOZAMBIQUE	1079.08
BENIN	-119.55	MYANMAR	334.19
BURUNDI	209.60	NICARAGUA	196.30
CAFRREP	8.68	NIGER	389.27
EGYPT	301.62	NIGERIA	123.54
ETHIOPIA	536.85	PAKISTAN	230.18
GAMBIA	-411.26	RWANDA	345.94
GHANA	20.12	SIERRALEONE	241.91
GUINEA	68.42	SRILANKA	-692.81
HAITI	49.32	SUDAN	141.42
HONDURUS	496.23	TANZANIA	115.17
INDIA	325.24	TOGO	11.75
KENYA	325.57	UPPERVOLTA	-696.62
LIBERIA	194.78	ZAIRE	140.05
MADAGASCAR	-775.32	ZAMBIA	314.43
MALAWI	171.84	ZIMBABWE	-169.52

TABLE VI
CHANGED POSITION OF A MIDDLE INCOME COUNTRY
COMPARED TO OTHER MIDDLE INCOME COUNTRIES

ALGERIA	-2399.38	ISRAEL	-1643.73
ARGENTINA	-1197.00	JORDAN	-1130.77
BARBADOS	-705.94	KOREAREP	-254.09
BOLIVIA	-946.80	MALAYSIA	-682.86
BRAZIL	-370.80	MARITIUSS	-580.35
CAMEROON	1708.23	MEXICO	-522.15
CHILE	-619.04	MOROCCO	-1010.85
COLOMBIA	-548.64	PANAMA	-725.45
CONGO	-67.77	PAPUANG	-1045.09
COSTARICA	-601.12	PARAGUAY	-714.26
CYPRUS	-697.44	PERU	-1097.56
DOM REP N R	-786.69	PHILIPPNNES	-637.66
ECUADOR	-1089.64	PORTUGAL	-249.06
ELSALVADOR	-819.23	SURINAME	-928.12
GREECE	-1151.24	SYRIANARR	-947.37
GUATEMALA	-361.62	THAILAND	-217.65
GUYANA	-604.00	TRIN&TOBOB	-1427.47
IRAN	-1797.21	TURKEY	-1954.99
IRAQ	-458.00	URUGUAY	-1444.65
IRELAND	-2254.63	VENEZUELA	-124.46

TABLE VII
CHANGED POSITION OF A HIGH INCOME COUNTRY
COMPARED TO OTHER HIGH INCOME COUNTRIES

AUSTRALIA	-2062.19	ITALY	-1186.41
AUSTRIA	-1028.15	JAPAN	-1791.44
BELGIUM	-1626.53	NETHERLANDS	-1343.21
CANADA	-2565.71	NEWZEAL ND	-2346.36
DENMARK	-1179.53	NORWAY	-1368.76
FINLAND	-1274.52	SINGAPORE	-1470.43
FRANCE	-1328.53	SPAIN	-1707.52
FRG	-1184.88	SWEDEN	-1552.69
HONGKONG	-1710.12	UK	-1279.01
ICELAND	-1143.50	USA	-4471.03

An attempt to measure the pairwise distances between countries in terms of their social development is unprecedented in the literature of economic development. Apart from academic importance the attempt has significance to the policy makers also.

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