

STATISTICAL
APPENDIX

TABLE A.1

AGGREGATE GROWTH FUNCTION : INDIA

DEPENDENT VARIABLE : GROWTH RATE OF REAL GNP PER CAPITA (US\$)

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Time period	Eq. No.	Coefficient of Explanatory Variables						Basic Statistics						
		C	K\$	x	gX\$	m	gM\$	df	fa	dfi	R ²	R ⁻²	F	D.W.
1950-65	1.	48.88	0.09 (0.43)	-9.51 (1.24)		0.66 (0.16)		-3.36 (1.56)	3.12 (0.98)	7.81 (0.71)	0.38	0.07	0.93	2.52
	2.	0.10	0.41 (1.28)		0.31 (0.97)		-0.48 (1.74)	-0.75 (0.45)	0.61 (0.20)	1.93 (0.27)	0.29	0.06	0.61	2.92
1966-77	1.	-68.76	0.93* (3.04)	13.68** (3.75)		-10.63* (2.58)		2.62* (2.56)	12.23 (1.61)	15.15 (1.88)	0.93	0.87	11.51**	3.31
	2.	-28.86	0.50 (1.15)		0.39 (1.45)		-0.18 (0.93)	1.63 (1.25)	-3.47 (0.66)	6.90 (0.56)	0.82	0.65	3.74	2.31
1978-89	1.	10.52	0.53* (2.97)	-1.91 (0.71)		-8.46** (5.97)		5.83* (2.78)	21.88* (2.50)	2.97 (0.69)	0.92	0.85	9.76*	2.90
	2.	-69.84	0.62 (1.76)		0.84* (3.30)		-0.27 (0.96)	7.44 (2.09)	6.45 (0.54)	22.14 (2.23)	0.83	0.69	4.03	2.66
1950-89	1.	27.35	0.35** (3.12)	1.88 (1.15)		-4.52** (4.18)		-0.95** (3.19)	-0.26 (0.26)	-6.70* (2.13)	0.51	0.44	5.61**	2.11
	2.	-2.61	0.51** (3.21)		0.27* (2.09)		-0.25* (2.12)	-0.33 (1.20)	-0.52 (0.48)	1.25 (0.37)	0.36	0.26	3.09*	2.04

Note : t - Statistics in Parentheses.

* = 5%

Significance level

** = 1%

Table A.2

AGGREGATE GROWTH FUNCTION : SOUTH KOREA

DEPENDENT VARIABLE : GROWTH RATE OF REAL GNP PER CAPITA (US\$)

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Time Period	Eq. No.	Coefficient of Explanatory Variable										Basic Statistics			
		C	K\$	x	gX\$	M	gM\$	df	fa	dfi	R	R ²	F	D.W.	
1950-63	1.	16.89	0.79** (3.34)	-6.09 (0.29)		-1.20 (0.51)		-1.47 (0.50)	2.55 (0.87)	-9.40 (0.40)	0.78	0.64	4.04*	2.11	
	2.	-16.54	0.83** (3.55)		0.16 (0.63)		-0.01 (0.02)	-1.75 (1.15)	1.75 (0.70)	13.67 (0.59)	0.72	0.55	2.94	1.30	
1964-89	1.	61.35	0.47** (5.08)	-0.34 (0.26)		-1.77* (2.01)		-9.90 (0.49)	-12.90** (4.07)	-7.73 (1.55)	0.85	0.81	12.34**	1.32	
	2.	12.49	0.33* (2.49)		0.38** (3.34)		-0.03 (0.13)	-2.79* (2.12)	-6.55* (2.48)	-4.88 (0.94)	0.86	0.83	12.74**	1.70	
1950-89	1.	-3.10	0.59** (6.34)	0.26 (0.30)		-0.68 (0.97)		-0.16 (0.23)	0.76 (0.58)	-8.17 (1.17)	0.71	0.67	9.28**	1.10	
	2.	-21.99	0.53** (4.94)		2.21* (2.06)		0.03 (0.19)	0.27 (0.38)	0.41 (0.33)	-0.74 (0.11)	0.74	0.70	11.05**	1.13	

Note : t - Statistics in Parentheses

* - 5%
Significance level.
** - 1%

Table A.3

AGGREGATE GROWTH FUNCTION : BRAZIL

DEPENDENT VARIABLE : GROWTH RATE OF PER CAPITA (Current US\$)

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Time Period	Eq. No.	Coefficient of Explanatory Variable										Basic Statistics			
		C	K\$	x	GX\$	m	GM\$	df	fa	dfi	R ²	R ⁻²	F	D.W	
1950-63	1.	36.04	-0.23 (0.63)	-1.00 (0.56)		1.24 (0.58)		-9.04 (0.67)	--	-28.93 (1.35)	0.25	0.22	0.54	2.6	
	2.	37.52	-0.12 (0.29)		-0.28 (0.57)		-0.29 (0.97)	-11.54 (0.85)	--	-25.96 (1.69)	0.30	0.14	0.70	2.4	
	1.	16.56	0.62* (2.96)	-2.81 (0.82)		-1.56 (0.47)		0.61 (0.99)	--	11.19 (0.64)	0.93	0.87	10.43*	2.6	
1964-73	2.	-6.01	0.71** (4.19)		-0.07 (0.35)		-0.03 (0.26)	0.50 (0.78)	--	5.25 (0.49)	0.92	0.86	9.34*	2.5	
	1.	-28.35	0.55** (4.32)	-3.82* (1.85)		1.38 (1.21)		-0.02 (0.26)	0.36 (0.48)	2.32 (0.33)	0.92	0.88	8.81**	2.8	
1974-88	2.	31.07	0.95** (5.83)		0.13 (1.03)		0.31* (2.45)	0.06 (1.07)	-1.06 (1.22)	18.78* (2.95)	0.93	0.89	10.46**	1.47	
	1.	-3.26	0.41** (3.10)	-1.07 (1.06)		0.79 (0.75)		-0.03 (0.31)	0.53 (0.46)	1.60 (0.20)	0.37	0.28	2.17*	2.1	
1950-88	2.	-0.34	0.37* (2.40)		0.002 (0.01)		0.10 (0.86)	-0.02 (0.14)	0.93 (0.77)	0.65 (0.10)	0.35	0.25	2.03	2.02	

Note : t - Statistics in Parentheses.

* - 5%

Significance level.

** - 1%

TABLE A.4

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CAPITAL FUNCTION : INDIA

DEPENDENT VARIABLE : GROSS FIXED CAPITAL FORMATION AS A PROPORTION OF GDP. (Percentage)

Time Period	Coefficient of Explanatory Variable					Basic Statistics			
	C	gds	mk	dfi	fa	df	R	R ²	D.W.
1950-65	6.42	0.56** (5.12)	0.03 (1.33)	-2.80** (-4.74)	0.20 (0.82)	0.09 (0.62)	0.97	0.96	66.51** 2.42
1966-77	7.26	0.53* (2.65)	0.06 (0.39)	-1.23 (0.97)	0.26 (0.63)	-0.04 (0.14)	0.71	0.55	2.95 1.98
1978-89	26.24	0.03 (0.23)	0.04 (0.87)	0.21 (0.35)	0.49 (0.45)	-1.05* (2.82)	0.92	0.87	14.12** 1.75
1950-89	3.63	0.72** (12.54)	0.07* (2.17)	-1.78** (2.81)	0.14 (0.61)	0.01 (0.17)	0.89	0.88	55.52** 1.30

Note : t - Statistics in Parentheses.

* = 5%

Significance level.

** = 1%

Table A.5

CAPITAL FUNCTION : SOUTH KOREA

DEPENDENT VARIABLE : GROSS FIXED CAPITAL FORMATION AS A PROPORTION OF GDP (Percentage)

Time Period	Coefficient of Explanatory Variable					Basic Statistics			
	C	gds	mk	dfi	fa	df	R ²	R	F
1950-63	0.42	1.19 (1.40)	0.03 (0.13)	-	-0.21 (0.76)	0.71** (4.99)	0.86	0.82	13.51**
1964-89	11.15	0.57** (4.79)	0.21** (3.61)	0.13 (0.10)	-0.75* (0.80)	-0.30 (1.47)	0.85	0.82	22.91**
1950-89	21.05	0.68** (14.91)	0.23** (6.85)	0.83 (0.61)	0.35* (1.65)	0.30* (2.69)	0.94	0.93	99.95**

Note : t - Statistics in Parentheses

* - 5%

Significance level.

** - 1%

Table A.6

CAPITAL FUNCTION : BRAZIL

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DEPENDENT VARIABLE : GROSS FIXED CAPITAL FORMATION AS A PROPORTION OF GDP (Percentage)

Time Period	Coefficient of Explanatory Variable						Basic Statistics			
	C	gds	mk	dfi	fa	df	R ²	R ²	F	D.W.
1950-63	-1.85	0.93** (10.48)	-	3.85* (1.72)	-	5.15* (1.04)	0.93	0.91	45.18**	2.17
1964-73	16.41	-0.13 (0.56)	0.15** (4.78)	5.13* (3.52)	-	-0.07 (0.75)	0.96	0.93	30.72**	2.61
1974-88	17.82	0.04 (0.07)	0.08 (0.98)	3.37 (1.23)	-0.13 (0.56)	-0.02 (0.97)	0.56	0.38	2.26	1.04
1950-88	-2.46	0.88** (15.67)	0.21** (6.27)	2.65* (1.99)	-2.21 (1.12)	0.02 (1.57)	0.95	0.94	118.39**	1.10

Note : t - Statistics in Parentheses.

* - 5%

Significance level

** - 1%

TABLE A.7

EXPORT FUNCTION : INDIA 1950-77

DEPENDENT VARIABLE - Linear : EXPORTS AS A PROPORTION OF GDP (Percentage) 352
 Log - Linear : REAL EXPORTS, BILLION US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics			
			C	gd\$	Px	R	Yic	Tn	R ²	R ⁻²	D.W
1950-65	Linear	1.	-6.55	-0.02 (0.59)	0.21** (3.72)	0.09** (4.64)	-0.10 (1.24)		0.84	0.80	14.33** 1.6
		2.	-6.46	-0.03 (1.12)		0.09** (3.86)	-0.15 (1.61)	0.04* (2.57)	0.77	0.71	9.37** 1.4
	Log-Linear	1.	-0.60	0.17 (0.97)	0.35 (1.64)	0.12 (0.48)	-0.04 (1.27)		0.39	0.16	1.74 2.6
		2.	-0.65	0.12 (0.72)		0.05 (0.22)	-0.04 (1.36)	0.36 (1.59)	0.38	0.16	1.69 2.5
1966-77	Linear	1.	-1.80	0.01 (0.72)	0.04** (5.38)	0.05* (3.23)	0.03 (0.66)		0.97	0.96	50.71** 2.4
		2.	0.71	0.03* (1.98)		0.08* (3.21)	0.03 (0.34)	-0.02* (2.02)	0.89	0.85	14.43** 1.4
	Log-Linear	1.	-6.83	0.62* (3.21)	0.44** (9.30)	0.86** (4.57)	0.03* (2.12)		0.98	0.97	86.99** 2.8
		2.	-5.16	1.77* (3.20)		0.84 (1.46)	0.05 (0.97)	-1.13* (2.66)	0.87	0.82	11.61** 1.3

Note : t - Statistics in Parentheses.

* = 5% | Significance level.

TABLE A.7 (contd.)

EXPORT FUNCTION												
: INDIA 1978-89 AND 1950-89												
DEPENDENT VARIABLE - Linear : EXPORTS AS A PROPORTION OF GDP (Percentage)												
Log - Linear : REAL EXPORTS, Billion US\$												
Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable						Basic Statistics			
			C	gd\$	Px	R	Yic	Tn	R	-2	F	D
1978-89	Linear	1.	4.54	0.01 (0.40)	-0.01** (4.10)	0.01 (1.31)	0.13 (1.18)		0.77	0.68	5.93*	1
		2.	6.54	0.01 (0.46)		-0.01 (0.59)	0.25 (1.74)	-0.01** (3.32)	0.70	0.59	4.10*	1
	Log-Linear	1.	-9.22	2.31** (5.61)	-0.07** (4.24)	-0.04 (0.21)	0.08 (1.64)		0.86	0.81	10.45**	2
		2.	-8.94	2.35** (5.15)		-0.14 (0.61)	0.10 (1.68)	-0.08** (3.72)	0.83	0.77	8.43**	2
1950-89	Linear	1.	3.47	0.01 (0.74)	-0.01* (2.14)	0.03** (3.04)	-0.22** (2.99)		0.35	0.30	4.61**	1
		2.	4.58	0.01 (0.54)		0.0. (1.57)	-0.19* (2.53)	-0.002 (0.39)	0.26	0.20	3.12*	0
	Log-Linear	1.	-0.93	0.004** (3.39)	-2.02 (0.69)	0.54** (4.40)	-0.08* (2.42)		0.57	0.53	11.43**	0
		2.	-2.40	0.48** (3.06)		0.47** (3.41)	-0.07* (2.29)	-0.02 (0.76)	0.55	0.51	10.66**	0

Note : t - Statistics in Parentheses.

* = 5% | Significance level.

Table A.8

EXPORT FUNCTION : SOUTH KOREA 1950-89

DEPENDENT VARIABLE - Linear : EXPORTS AS A PROPORTION OF GDP (Percentage)
 - Log-Linear : REAL EXPORTS, Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable						Basic Statistics			
			C	gd\$	Px	R	Yic	Tn	R^2	R	F	D.W.
1950-63	Linear	1.	0.59	0.003 (0.42)	-0.01* (1.96)	0.02* (2.16)	0.04 (0.40)		0.49	0.34	2.13	0.68
		2.	0.59	0.004 (0.67)		0.01* (1.92)	0.09 (0.86)	-0.01* (1.80)	0.46	0.30	1.92	0.83
	Log-Linear	1.	-0.01	-0.14 (1.32)	-0.31** (7.72)	0.26 (1.76)	0.22* (1.85)		0.89	0.86	18.56**	2.46
		2.	0.002	-0.72** (6.16)		0.91** (5.46)	0.27* (2.21)	-0.27** (5.42)	0.87	0.83	15.13**	1.55
1964-89	Linear	1.	-3.51	0.06 (1.07)	0.16** (7.56)	0.17 (1.62)	-1.10* (1.82)		0.85	0.82	29.76**	1.68
		2.	60.11	0.37** (4.87)		0.35* (2.75)	-0.48 (0.55)	-0.65** (5.12)	0.75	0.72	15.89**	1.34
	Log-Linear	1.	-7.35	1.37** (6.61)	0.51** (4.51)	0.49 (0.84)	-0.14* (1.81)		0.96	0.95	120.09**	1.75
		2.	2.09	2.09** (15.70)		0.43 (0.63)	-0.07 (0.65)	-2.14** (2.94)	0.94	0.93	84.69**	1.20
1950-89	Linear	1.	-4.35	0.13* (2.27)	0.07** (3.04)	0.27** (6.91)	-2.51** (3.75)		0.73	0.71	23.22**	1.33
		2.	-1.64	0.13* (2.00)		0.36** (5.80)	-2.35** (2.89)	-0.06 (1.04)	0.67	0.64	17.34**	1.29
	Log-Linear	1.	-0.78	-0.11 (0.30)	0.14 (0.70)	0.69 (1.65)	-0.64* (1.82)		0.26	0.20	3.13*	1.30
		2.	-0.79	-0.15 (0.36)		0.92 (1.54)	-0.64* (1.79)	-0.08 (0.27)	0.26	0.20	3.00*	1.32

TABLE A.9

EXPORT FUNCTION : BRAZIL 1950 - 73

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DEPENDENT VARIABLE - Linear : EXPORTS AS A PROPORTION OF GDP (Percentage)
- Log-Linear : EXPORT VALUE, Current Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics				
			C	gd\$	Px	R	Yic	Tn	R ²	F	D.W.	
1950-63	Linear	1.	4.28	0.04 (0.19)	0.47 (0.73)	-0.02 (0.16)	-1.90 (1.00)		0.47	0.31	1.97	1.00
		2.	59.06	0.13 (1.00)		-0.18* (1.90)	-2.69* (2.40)	-0.27* (2.12)	0.62	0.51	3.74*	1.79
	Log-Linear	1.	-1.30	-0.03 (0.37)	0.47* (2.48)	0.02 (0.85)	0.03 (0.70)		0.55	0.42	2.68	2.74
		2.	0.37	-0.09 (0.90)		-0.002 (0.07)	0.002 (0.04)	0.04 (0.12)	0.23	0.11	0.69	2.21
1964-73	Linear	1.	-5.62	0.01 (0.80)	0.05* (2.17)	0.13* (3.18)	-0.01 (0.04)		0.92	0.88	14.74**	2.88
		2.	-7.19	0.02* (2.47)		0.11* (3.48)	0.07 (0.65)	0.03* (3.67)	0.96	0.94	29.23**	2.36
	Log-Linear	1.	-9.86	0.95** (8.42)	0.51 (1.84)	1.25* (1.96)	0.01 (0.12)		0.99	0.99	164.34**	2.57
		2.	-11.75	1.03** (15.22)		1.04 (1.63)	0.08 (0.78)	0.86* (2.15)	0.99	0.99	188.89**	2.34

Note : t - Statistics in Parentheses.

* - 5%

Significance level

** - 1%

Table A.9 (contd.)

EXPORT FUNCTION

: BRAZIL 1974 - 88 and 1950 - 88

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DEPENDENT VARIABLE - Linear : EXPORTS AS A PROPORTION OF GDP (Percentage)
 - Log-Linear : EXPORT VALUE, Current Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics			
			C	gd\$	Px	R	Yic	Tn	R ²	R	F D.W.
1974-88	Linear	1.	10.81	-0.10** (3.48)	0.01 (0.67)	-0.03* (3.03)	-0.12 (0.49)		0.66	0.57	4.85* 1.67
		2.	11.45	-0.10* (2.81)		-0.03* (2.40)	-0.12 (0.48)	0.001 (0.08)	0.65	0.56	4.54* 1.58
	Log-Linear	1	-2.59	1.04** (5.50)	0.01 (0.19)	-0.05 (1.56)	0.01 (0.17)		0.87	0.84	17.14** 1.11
		2.	-2.38	1.01** (5.13)		-0.04 (1.49)	0.01 (0.17)	-0.01 (0.25)	0.87	0.84	17.19** 0.99
1950-88	Linear	1.	20.21	0.003 (0.04)	-0.02 (0.54)	-0.08** (3.30)	-1.44* (2.57)		0.41	0.36	5.97** 0.64
		2.	17.90	-0.001 (0.01)		-0.09** (3.75)	-1.33* (2.58)	0.01 (0.26)	0.41	0.36	5.87** 0.62
	Log-Linear	1.	-10.16	7.39** (17.25)	-1.04 (1.37)	-1.81** (6.79)	-1.23* (1.62)		0.90	0.89	76.05** 0.63
		2.	-0.37	0.01** (20.72)		0.04* (1.76)	-0.07 (1.00)	0.14* (1.89)	0.95	0.95	149.10** 0.92

Note : t - Statistics in Parentheses.

* - 5%
 ** - 1%
 Significance level

TABLE A.10

IMPORT FUNCTION : INDIA 1950-77

DEPENDENT VARIABLE - Linear : IMPORTS AS A PROPORTION OF GDP (Percentage)
Log - Linear : REAL IMPORTS, Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics				
			C	gd\$	Pm/P	R	FER	Ti	R	R ²	F	D.W.
1950-65	Linear	1.	1.25	-0.08* (2.93)	0.11** (3.17)	-0.03 (0.70)	-1.11* (2.41)		0.72	0.65	6.95**	1.15
		2.	-1.72	-0.09* (2.65)		0.09* (2.06)	-0.15 (0.32)	0.02 (0.72)	0.48	0.35	2.57	2.00
	Log-Linear	1.	-3.81	0.55 (1.24)	1.18 (1.81)	-0.44 (0.77)	-0.21 (1.95)		0.70	0.63	6.30**	1.40
		2.	-3.69	-0.05 (0.11)		0.88 (1.93)	-0.23* (2.03)	0.50 (1.58)	0.68	0.60	5.80**	1.96
1966-77	Linear	1.	1.32	-0.09** (3.68)	0.05* (2.30)	0.001 (0.02)	0.20 (0.89)		0.83	0.77	8.66**	2.66
		2.	1.89	-0.06* (2.33)		0.08 (1.91)	0.46 (1.82)	-0.03 (1.97)	0.81	0.74	7.46*	2.03
	Log-Linear	1.	-9.30	0.52 (0.41)	0.89 (1.28)	1.10 (0.91)	-0.13 (1.18)		0.60	0.45	2.66	1.57
		2.	-5.52	0.26 (0.18)		2.07* (2.25)	0.02 (0.15)	-0.63 (0.83)	0.55	0.38	2.17	1.77

Note : t - Statistics in Parentheses.

* - 5%
Significance level.
** - 1%

TABLE A.10 (contd.)

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IMPORT FUNCTION

: INDIA 1978-89 and 1950-89

DEPENDENT VARIABLE - Linear : IMPORTS AS A PROPORTION OF GDP (Percentage)
 Log - Linear : REAL IMPORTS, Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics			
			C	gd\$	Pm/P	R	FER	Ti	R	R ²	D.W.
1978-89	Linear	1.	9.13	-0.06 (1.92)	0.01 (0.68)	0.01 (0.74)	-0.14 (0.55)		0.47	0.27	1.55
		2.	9.00	-0.04 (1.80)		-0.003 (0.17)	0.13 (0.60)	-0.01 (1.28)	0.72	0.62	3.15
	Log-Linear	1.	-3.35	1.72* (2.74)	-0.05 (1.43)	-0.52 (1.95)	-0.14 (0.94)		0.62	0.48	2.91
		2.	-2.76	1.56* (2.78)		-0.48 (2.02)	-0.14 (1.01)	-0.04 (1.69)	0.66	0.53	3.32
1950-89	Linear	1.	2.04	-0.07** (3.23)	0.03** (3.19)	0.02 (1.51)	0.12 (1.01)		0.46	0.42	7.31**
		2.	7.78	-0.05* (2.62)		9.92 (0.01)	0.46** (3.88)	-0.02** (3.78)	0.50	0.46	8.79**
	Log-Linear	1.	-3.54	0.97** (4.62)	0.02 (0.37)	0.20 (0.59)	0.06 (1.17)		0.53	0.49	9.71**
		2.	-2.39	1.03** (4.93)		-0.05 (0.16)	0.10 (1.91)	-0.06 (1.42)	0.55	0.51	10.70**

Note : t - Statistics in Parentheses.

* - 5%

Significance level.

** - 1%

Table A.11

IMPORT FUNCTION : SOUTH KOREA 1950-89

DEPENDENT VARIABLE - Linear : IMPORTS AS A PROPORTION OF GDP (Percentage)
 - Log-Linear : REAL IMPORTS, Billion US\$

360

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics			
			C	gd\$	Pm/P	R	FER	Ti	R ²	F	D.W.
1950-63	Linear	1.	5.45	-0.01 (0.28)	0.003 (0.14)	0.12* (2.77)	-4.72 (1.53)		0.87	0.83	14.89** 1.69
		2.	5.70	-0.01 (0.19)		0.11* (2.78)	-4.94 (1.59)	-0.01 (0.36)	0.87	0.83	15.11** 1.78
	Log-Linear	1.	-0.02	0.40* (2.44)	-0.01 (0.29)	-0.15 (1.25)	-0.49 (1.34)		0.96	0.95	48.50** 1.83
		2.	-0.02	0.41* (2.51)		-0.15 (1.30)	-0.47 (1.26)	-0.02 (0.42)	0.96	0.95	49.02** 1.95
1964-89	Linear	1.	-5.82	0.10 (1.29)	0.48** (3.26)	-0.13 (0.90)	0.39 (1.16)		0.40	0.32	3.56* 1.35
		2.	29.79	-0.05 (0.64)		-0.05 (0.32)	-0.47 (0.82)	0.05* (2.21)	0.27	0.17	1.95 1.33
	Log-Linear	1.	-2.76	0.76* (2.13)	0.66 (1.11)	-0.14 (0.23)	0.25 (1.84)		0.95	0.94	100.43** 1.50
		2.	0.07	0.54* (2.60)		-0.08 (0.20)	0.09 (0.72)	0.22** (2.90)	0.96	0.95	134.69** 1.59
1950-89	Linear	1.	0.50	0.002 (0.03)	0.09* (2.50)	0.18** (3.94)	0.51* (1.63)		0.78	0.76	31.82** 0.55
		2.	-0.32	0.02 (0.44)		0.24** (7.70)	-0.12 (0.25)	0.03* (1.81)	0.77	0.75	18.90** 0.45
	Log-Linear	1.	-0.02	0.63** (9.96)	0.01 (0.49)	0.01 (0.14)	0.31** (9.93)		0.96	0.95	198.16** 1.31
		2.	-0.02	0.61** (11.40)		0.02 (0.30)	0.28** (5.15)	0.03 (0.78)	0.96	0.95	200.34** 1.29

Table A 12

IMPORT FUNCTION : BRAZIL 1950-73

361

DEPENDENT VARIABLE - Linear : IMPORTS AS A PROPORTION OF GDP (Percentage)
Log-Linear : IMPORT VALUE , Current Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable					Basic Statistics			
			C	gd\$	Pm	R	PER	Ti	R ²	R	F D.W.
1950-63	Linear	1.	-25.60	-0.11 (1.67)	1.57** 7.39)	-0.03 (0.69)	-0.10 (0.48)		0.88	0.84	16.88** 1.43
		2.	72.83	0.03 (0.35)		-0.13* (2.54)	-0.02 (0.07)	-2.08** (5.27)	0.80	0.74	8.81** 2.12
	Log-Linear	1.	-2.30	0.21 (1.55)	0.66* (1.84)	-0.01 (0.22)	0.001 (0.06)		0.32	0.12	1.07 2.08
		2.	2.23	0.18 (1.24)		-0.02 (0.44)	0.01 (0.41)	-0.69 (1.45)	0.24	0.10	0.72 2.51
1964-73	Linear	1.	14.65	-0.06* (2.05)	0.05 (0.40)	-0.13* (2.48)	0.83** (4.16)		0.91	0.87	13.15** 2.00
		2.	13.03	-0.05 (1.75)		-0.11 (1.37)	0.64 (0.95)	0.03 (0.38)	0.91	0.87	13.10** 2.45
	Log-Linear	1.	-10.69	1.66** (4.64)	-0.24 (0.43)	1.44 (1.35)	-0.06 (0.66)		0.99	0.98	105.15** 2.58
		2.	-4.17	0.45 (1.01)		0.85 (0.81)	-0.04 (0.35)	0.17 (0.27)	0.86	0.79	7.49** 1.99

Note : t - Statistics in Parentheses.

* - 5%
 ** - 1%
 Significance level.

Table A.12 (contd.)

IMPORT FUNCTION : BRAZIL 1974-88 and 1950-88

362

DEPENDENT VARIABLE - Linear : IMPORTS AS A PROPORTION OF GDP (Percentage)
 - Log-Linear : IMPORT VALUE, Current Billion US\$

Time Period	Type of Equation	Eq. No.	Coefficient of Explanatory Variable						Basic Statistics			
			C	gd\$	Pm	R	FER	T ₁	2 R	-2 R	F	D.W.
1974-88	Linear	1.	4.50	0.09* (2.30)	0.01 (0.69)	0.04** (3.46)	-0.10 (0.58)		0.68	0.59	5.19**	0.78
		2.	4.91	0.09* (2.50)		0.04** (3.36)	-0.21 (1.06)	0.02 (1.18)	0.70	0.62	5.86**	1.06
	Log-Linear	1.	-0.48	0.55** (4.37)	0.07 (1.29)	0.06* (2.55)	-0.08 (0.74)		0.73	0.66	6.35**	1.35
		2.	-0.76	0.61** (4.65)		0.07* (3.05)	-0.01 (0.14)	0.03 (0.83)	0.71	0.63	6.08**	1.24
1950-88	Linear	1.	12.88	0.04 (0.47)	0.04 (0.94)	-0.07** (2.78)	-0.45* (1.58)		0.22	0.15	2.43	0.37
		2.	14.20	0.03 (0.32)		-0.06* (2.28)	-0.26 (0.83)	0.01 (0.17)	0.20	0.13	2.16	0.31
	Log-Linear	1.	-0.09	0.01** (11.77)	0.15* (1.99)	0.09** (3.67)	0.16** (3.70)		0.94	0.94	126.97**	1.36
		2.	-1.26	0.67** (7.99)		-0.04 (1.26)	0.15** (3.09)	0.06 (0.88)	0.92	0.91	97.44**	1.32

Note : t - Statistics in Parentheses.

* - 5%

Significance level.

** - 1%