

**Table 1: Measures of Trade Policy**

Measure	Data Source	Obs.	% GATT /WTO
<b>Openness</b>			
(Exports+Imports)/GDP, 1950-1998	PWT6	5541	62%
Import Penetration: overall, 1985	Pritchett	97	71%
Import Penetration: manufacturing, 1985	Pritchett	97	71%
Import Penetration: agriculture, 1985	Pritchett	97	71%
Import Penetration: resources, 1985	Pritchett	97	71%
Import Penetration: overall, 1982	Pritchett	97	70%
Import Penetration: manufacturing, 1982	Pritchett	97	70%
Import Penetration: agriculture, 1982	Pritchett	97	70%
Import Penetration: resources, 1982	Pritchett	97	70%
TARS Trade Penetration: overall, 1985	Pritchett	97	71%
TARS Trade Penetration: manuf., 1985	Pritchett	97	71%
TARS Trade Penetration: agric., 1985	Pritchett	97	71%
TARS Trade Penetration: res., 1985	Pritchett	97	71%
TARS Trade Penetration: overall, 1982	Pritchett	95	70%
TARS Trade Penetration: manuf., 1982	Pritchett	95	70%
TARS Trade Penetration: agric., 1982	Pritchett	95	70%
TARS Trade Penetration: res., 1982	Pritchett	95	70%
<b>Tariffs</b>			
Import Duties as % imports, 1970-1998	WDI	2292	73%
Tariffs on int. inputs and capital goods, 1980s	Barro-Lee	104	67%
Trade Taxes/Trade, early 1980s	Edwards	55	79%
Wght. Avg. Tot. Import Charges: overall, late 1980s	Pritchett	81	63%
Wght. Avg. Tot. Import Charges: manuf., late 1980s	Pritchett	81	63%
Wght. Avg. Tot. Import Charges: agric., late 1980s	Pritchett	81	63%
Wght. Avg. Tot. Import Charges: res., late 1980s	Pritchett	81	63%
Effective Rate of Protection, various	Heitger	47	66%
Std. Dev. of Eff. Rate of Protection, various	Heitger	47	66%
<b>Non-Tariff Barriers</b>			
NTB frequency on int. inputs, K. goods, mid-late 1980s	Barro-Lee	104	67%
NTB Coverage: overall, 1987	Pritchett	81	63%
NTB Coverage: manufacturing, 1987	Pritchett	81	63%
NTB Coverage: agriculture, 1987	Pritchett	81	63%
NTB Coverage: resources, 1987	Pritchett	81	63%
<b>Informal Measures</b>			
Trade Orientation 1963-73	World Bank	40	58%
Trade Orientation 1973-85	World Bank	40	69%
Trade Orientation Ranking 1975	Edwards	62	74%
Trade Orientation Ranking 1985	Edwards	62	81%
Heritage Foundation Index,	Edwards	98	75%
NBER Trade Liberalization Phase, late 1980s	Krueger	229	57%
Index Economic Freedom, 1995-98	IEF	523	78%
Trade Policy Measure from IEF, 1995-98	IEF	523	78%
<b>Composite Measures</b>			
Sachs-Warner 1970s	Edwards	63	70%
Sachs-Warner 1980s	Edwards	63	75%
Index from FX and commercial policy, 1961-84	Harrison	356	82%
Index from Tariffs and NTBs, 1978-88	Harrison	255	85%
Indirect counter-agricultural bias, 1961-86	Harrison	396	69%

<b>Measures based on Residuals</b>			
Leamer's Measure, 1982	Edwards	49	88%
Leamers's openness: overall, 1982	Pritchett	44	86%
Leamers's openness: manufacturing, 1982	Pritchett	44	86%
Leamers's openness: agriculture, 1982	Pritchett	44	86%
Leamers's openness: resources, 1982	Pritchett	44	86%
Leamers's intervention measure: overall, 1982	Pritchett	44	86%
Leamers's intervention measure: manuf., 1982	Pritchett	44	86%
Leamers's intervention measure: ag. 1982	Pritchett	44	86%
Leamers's intervention measure: res., 1982	Pritchett	44	86%
Leamers's measure: overall, 1982	Pritchett	44	86%
Leamers's measure: manufacturing, 1982	Pritchett	44	86%
Leamers's measure: agriculture, 1982	Pritchett	44	86%
Leamers's measure: resources, 1982	Pritchett	44	86%
Gravity-Residuals, basic model, 1960-92	Hiscox-Kastner	2574	69%
Gravity-Residuals, augmented model, 1960-92	Hiscox-Kastner	2574	69%
<b>Price-Based Measures</b>			
Distortion Index, 1990	Pritchett	93	83%
Variability Index, 1990	Pritchett	93	83%
Movement to International Prices, 1961-87	Harrison	539	61%
Modified Price Distortion Index, 1961-87	Harrison	729	54%
Black Market Premium, 1961-89	Harrison	1463	65%

**Table 2: Trade Policy and GATT/WTO membership**

**Cross-Sectional Measures of Trade Policy**

<b>Dependent Variable</b>	<b>OLS Bivariate Regression Coefficient</b>	<b>OLS Augmented Regression Coefficient</b>	<b>IV Bivariate Regression Coefficient</b>
<b>Openness</b>			
Import Penetration: overall	-2.4 (.5)	1.3 (.3)	12. (.7)
Import Penetration: manufacturing	-2.6 (.8)	-.5 (.2)	5.5 (.5)
Import Penetration: agriculture	-.6 (.8)	-.2 (.2)	.1 (.0)
Import Penetration: resources	1.1 (.8)	2.0 (1.5)	6.7 (1.2)
Import Penetration: overall	-5.9 (1.1)	2.2 (.4)	-.7 (.0)
Import Penetration: manufacturing	-3.9 (1.3)	-.4 (.1)	-.3 (.0)
Import Penetration: agriculture	-1.1 (1.4)	-.4 (.5)	-.3 (.1)
Import Penetration: resources	-.9 (.4)	2.9 (1.5)	-.6 (.1)
TARS Trade Penetration: overall	-1.5 (.2)	6.2 (.9)	26. (.8)
TARS Trade Penetration: manuf.	1.9 (.4)	3.0 (.6)	41 (1.7)
TARS Trade Penetration: agric.	.4 (.2)	1.1 (.7)	6.5 (.8)
TARS Trade Penetration: res.	-3.7 (.9)	1.8 (.7)	-23. (1.4)
TARS Trade Penetration: overall	-32. (1.2)	5.1 (.6)	29. (.8)
TARS Trade Penetration: manuf.	-6.7 (.9)	2.1 (.4)	32. (1.5)
TARS Trade Penetration: agric.	-3.9 (1.4)	.0 (.0)	6.5 (.7)
TARS Trade Penetration: res.	-20.9 (1.1)	2.5 (.7)	-10. (.6)
<b>Tariffs and Trade Taxes</b>			
Tariffs on int. inputs and capital goods	.0 (.1)	.0 (.4)	-.2 (1.3)
Trade Taxes/Trade	-.02 (1.3)	-.01 (.8)	-.13* (2.1)
Wght. Avg. Tot. Import Charges: overall	6.7 (1.4)	2.3 (.5)	481. (.2)
Wght. Avg. Tot. Import Charges: manuf.	7.2 (1.4)	2.5 (.5)	517 (.2)
Wght. Avg. Tot. Import Charges: agric.	5.4 (1.1)	.8 (.2)	401 (.2)
Wght. Avg. Tot. Import Charges: res.	5.7 (1.4)	3.2 (.7)	351 (.2)
Effective Rate of Protection	32. (1.3)	69.* (2.3)	-119 (1.0)
Std. Dev. of Eff. Rate of Protection	29. (.9)	75. (1.8)	-150. (1.0)

Dependent Variable	OLS Bivariate Regression Coefficient	OLS Augmented Regression Coefficient	IV Bivariate Regression Coefficient
<b>Non-Tariff Barriers</b>			
NTB frequency on int. inputs, K. goods	.1 (.2)	-.0 (.5)	-.0 (.2)
NTB Coverage: overall	10. (1.1)	.9 (.1)	-3098 (.1)
NTB Coverage: manufacturing	8.9 (1.0)	.4 (.1)	-3073 (.1)
NTB Coverage: agriculture	6.3 (.7)	-4.8 (.7)	-3063 (.1)
NTB Coverage: resources	19. (1.8)	9.7 (.9)	-3102 (.1)
<b>Informal Measures</b>			
Trade Orientation 1963-73	.5 (1.5)	.4 (1.2)	62. (.0)
Trade Orientation 1973-85	0. (.0)	-.1 (.4)	16. (.1)
Trade Orientation Ranking 1975	3.6 (.5)	3.0 (.5)	-6.1 (.3)
Trade Orientation Ranking 1985	2.5 (.3)	-2.5 (.4)	-34. (.8)
Heritage Foundation Index	-.7** (3.2)	-.3 (1.2)	-7.6* (2.0)
<b>Composite Measures</b>			
Sachs-Warner 1970s	.0 (.1)	-.2 (1.2)	1.3* (2.4)
Sachs-Warner 1980s	.0 (.4)	-.1 (.9)	1.8 (1.9)
<b>Measures based on Residuals</b>			
Leamer's Measure	.7** (2.7)	.2 (1.)	1.7 (1.1)
Leamers's openness: overall	-.0 (.2)	.0 (.1)	-2.3 (.2)
Leamers's openness: manufacturing	-.0 (.3)	-.0 (.3)	-1.8 (.2)
Leamers's openness: agriculture	-.0 (.8)	-.0 (.3)	-1.2 (.2)
Leamers's openness: resources	.0 (1.6)	.0 (1.5)	.6 (.2)
Leamers's intervention measure: overall	-.1 (1.0)	-.0 (.1)	-.6 (.2)
Leamers's intervention measure: manuf.	-.0 (.8)	-.0 (.6)	-.8 (.2)
Leamers's intervention measure: ag.	-.03 (1.0)	.0 (.2)	.5 (.2)
Leamers's intervention measure: res.	-.01 (.5)	.0 (.5)	-.3 (.2)
Leamers's measure: overall	-.1 (.3)	-.3 (.9)	-22. (.2)
Leamers's measure: manufacturing	-.2 (.3)	-.6 (.9)	-34. (.2)
Leamers's measure: agriculture	-.1 (.2)	-.2 (.7)	-22. (.2)
Leamers's measure: resources	-.0 (.1)	-.0 (.2)	-9.1 (.2)

<b>Dependent Variable</b>	<b>OLS Bivariate Regression Coefficient</b>	<b>OLS Augmented Regression Coefficient</b>	<b>IV Bivariate Regression Coefficient</b>
<b>Price-Based Measures</b>			
Distortion Index	-2.8 (.3)	8.1 (.8)	-321 (1.6)
Variability Index	-.03 (1.4)	-.02 (.6)	-.13 (.9)

Independent variable is membership in GATT/WTO.

Instrumental variable is polity score.

Augmenting regressors: log(population); log(real GDP p/c); and remoteness.

Absolute t-statistics (computed with robust standard errors) in parentheses.

\*\* indicates significance at 1%; \* at 5%.

**Table 3: Trade Policy and GATT/WTO membership: Panel Measures**

OLS	Bivariate Regression Coefficient	Year Effects	Country Effects	Year and Country Effects	Augmented Regression Coefficient	Year Effects	Country Effects	Year and Country Effects
(Exports+Imports)/GDP	.6 (.1)	-5.0 (1.1)	17.0** (5.3)	5.3 (1.6)	2.3 (.6)	-.1 (.0)	4.7 (1.6)	5.3 (1.7)
Import Duties as % imports	-7.8 (1.6)	-7.5 (1.6)	-.3 (.4)	2.1 (1.7)	-.2 (.1)	-.2 (.2)	1.3 (1.3)	1.8 (1.8)
NBER Trade Liberalization Phase	.2 (.5)	.0 (.0)	.6 (.7)	.2 (.3)	.2 (.5)	.1 (.4)	.0 (.1)	-.5 (1.0)
Index Economic Freedom	-.5** (3.9)	-.5** (3.9)	-.1 (1.1)	-.0 (.2)	-.4** (3.6)	-.4** (3.5)	-.0 (.2)	.0 (.0)
Trade Policy Measure from IEF	-.5* (2.3)	-.5* (2.3)	-.9 (1.5)	-.7 (1.1)	-.3 (1.3)	-.2 (1.3)	-.2 (.9)	-.1 (.2)
Index from FX and commercial policy	-.00 (.3)	-.01 (1.5)	.02 (1.8)	.00 (.0)	-.01 (.5)	-.01 (1.2)	.00 (.2)	.00 (.1)
Index from Tariffs and NTBs	.2 (1.3)	.1 (.4)	.9** (3.5)	.5 (1.8)	.6* (2.2)	.5 (1.6)	.4* (2.0)	.4* (2.0)
Indirect counter-agricultural bias	-0.004 (.9)	-0.003 (.6)	-0.001 (.3)	.002 (.6)	-0.006 (1.6)	-0.005 (1.3)	.001 (.4)	.001 (.4)
Gravity-Residuals, basic model	-2.9 (1.4)	-3.7 (1.7)	1.5 (1.6)	-1.8 (1.8)	-1.3 (.9)	-1.7 (1.2)	-1.8 (1.9)	-1.8 (1.9)
Gravity-Residuals, augmented model	-2.3 (1.2)	-3.3 (1.6)	2.6** (2.9)	-1.5 (1.7)	-.8 (.6)	-1.3 (1.0)	-1.6 (1.7)	-1.6 (1.7)
Movement to International Prices	.01 (.6)	.02 (1.3)	-.01 (.5)	.01 (.4)	.01 (1.2)	.01 (1.4)	.02 (.7)	.01 (.5)
Modified Price Distortion Index	-.04 (1.2)	-.05 (1.2)	-.01 (.2)	-.01 (.3)	-.03 (.9)	-.02 (.5)	-.02 (.7)	-.01 (.3)
Black Market Premium	.01 (.2)	.01 (.2)	-.16 (1.4)	-.26 (1.8)	.03 (.4)	.02 (.3)	-.18 (1.7)	-.15 (1.5)

IV	Bivariate Regression Coefficient	Year Effects	Country Effects	Year and Country Effects
(Exports+Imports)/GDP	39* (2.0)	33 (1.9)	38** (3.4)	-13 (.5)
Import Duties as % imports	-34* (2.4)	-32** (2.7)	-14 (1.0)	-45 (.9)
NBER Trade Liberalization Phase	.8 (.4)	1.1 (.6)	-22 (.4)	-2.7 (.3)
Index Economic Freedom	-2.5** (3.6)	-2.5** (5.6)	-27* (2.0)	-4.6 (1.7)
Trade Policy Measure from IEF	-4.4** (3.4)	-4.4** (6.2)	-113 (1.8)	-18 (1.6)
Index from FX and commercial policy	.16 (.5)	.15 (.6)	.21 (1.7)	.26 (.6)
Index from Tariffs and NTBs	-2.9 (.3)	-3.4 (.6)	1.4 (.2)	-4.3 (.4)
Indirect counter-agricultural bias	-.003 (.4)	-.002 (.6)	.004 (.6)	.010 (1.0)
Gravity-Residuals, basic model	-19** (2.8)	-22** (3.3)	26 (1.4)	-117 (.2)
Gravity-Residuals, augmented model	-18** (2.7)	-20** (3.2)	26 (1.5)	-122 (.3)
Movement to International Prices	.12 (.5)	.13 (1.0)	.06 (.2)	.06 (.2)
Modified Price Distortion Index	-.21 (.4)	-.12 (.3)	-1.3 (1.2)	-3.4 (1.5)
Black Market Premium	-.9 (.5)	-.9 (1.3)	-84* (2.1)	-13 (1.9)

Independent variable is membership in GATT/WTO.

Augmenting regressors: log(population); log(real GDP p/c); and remoteness.

Absolute t-statistics (computed with standard errors robust to clustering by countries) in parentheses, except for IV estimates which use conventional standard errors.

\*\* indicates significance at 1%; \* at 5%.

**Table 4a: Sachs and Warner's Closed Developing Economies and GATT/WTO membership**

**Countries in GATT/WTO (date of accession)**

Angola (1994)	Cote d'Ivoire (1963)	Mauritania (1963)	Rwanda (1966)
Bangladesh (1972)	Dom. Rep. (1950)	Mozambique (1992)	Senegal (1963)
Burkina Faso (1983)	Egypt (1970)	Myanmar (1948)	Sierra Leone (1961)
Burundi (1965)	Gabon (1963)	Niger (1963)	Tanzania (1961)
Cent. Afr. Rep. (1963)	Haiti (1950)	Nigeria (1960)	Togo (1964)
Chad (1963)	Madagascar (1963)	Pakistan (1948)	Zaire (1971)
Congo (1963)	Malawi (1964)	Pap. N. Guinea (1994)	Zimbabwe (1948)

**Countries outside GATT/WTO**

Algeria*	Ethiopia	Iraq	Syria**
China	Iran	Somalia	

\*Algeria was formally a *de facto* GATT member from at least 1971.

\*\* Syria liberalized 1951-1965

**Table 4b: Sachs and Warner's Developed Economies with Year of Opening and year of GATT/WTO membership**

	Opened	Joined		Opened	Joined		Opened	Joined
Australia	1966	1948	Israel	1985	1962	Sweden	1960	1950
Austria	1960	1951	Italy	1959	1950	Switzerland	1950 latest	1966
Belgium	1960	1948	Japan	1962	1955	Trinidad & Tobago	Closed	1962
Canada	1952	1948	Luxembourg	1959	1948	UK	1960	1948
Denmark	1960	1950	Netherlands	1959	1948	USA	1950 latest	1948
Finland	1960	1950	New Zealand	1986	1948	Venezuela	Closed*	1990
France	1959	1948	Norway	1960	1948			
Germany	1959	1951	Spain	1960	1963			

\* Venezuela was temporarily liberalized in 1950-59 and 1989-92.

Taken from Tables 3 and 4 of Sachs and Warner (1995).

**Table 5: World Bank Liberalization Dates and GATT Membership**

<b>Argentina 1</b>	1967-70	1967	<b>Korea 1</b>	1965-67	1967	<b>Greece 1</b>	1953-55	1950
<b>Argentina 2</b>	1976-80		<b>Korea 2</b>	1978-79		<b>Greece 2</b>	1962-82	
<b>Brazil</b>	1965-73	1948	<b>New Zealand 1</b>	1951-56	1948	<b>Israel 1</b>	1952-55	1962
<b>Chile 1</b>	1956-61	1949	<b>New Zealand 2</b>	1962-81		<b>Israel 2</b>	1962-68	
<b>Chile 2</b>	1974-81		<b>New Zealand 3</b>	1982-84		<b>Israel 3</b>	1969-77	
<b>Colombia 1</b>	1964-66	1981	<b>Pakistan 1</b>	1959-65	1948	<b>Portugal 1</b>	1970-74	1962
<b>Colombia 2</b>	1968-82		<b>Pakistan 2</b>	1972-78		<b>Portugal 2</b>	1977-80	
<b>Peru</b>	1979-80	1951	<b>Philippines 1</b>	1960-65	1979	<b>Spain 1</b>	1960-66	1963
<b>Uruguay</b>	1974-82	1953	<b>Philippines 2</b>	1970-74		<b>Spain 2</b>	1970-74	
<b>Indonesia 1</b>	1950-51	1950	<b>Singapore</b>	1968-73	1973	<b>Spain 3</b>	1977-80	
<b>Indonesia 2</b>	1966-72		<b>Sri Lanka 1</b>	1968-70	1948	<b>Turkey 1</b>	1970-73	1951
<b>Yugoslavia</b>	1965-67	1966	<b>Sri Lanka 2</b>	1977-79		<b>Turkey 2</b>	1980-84	

Taken from Table 1 “Episodes of Trade Liberalization” by Papageorgiou et. al.

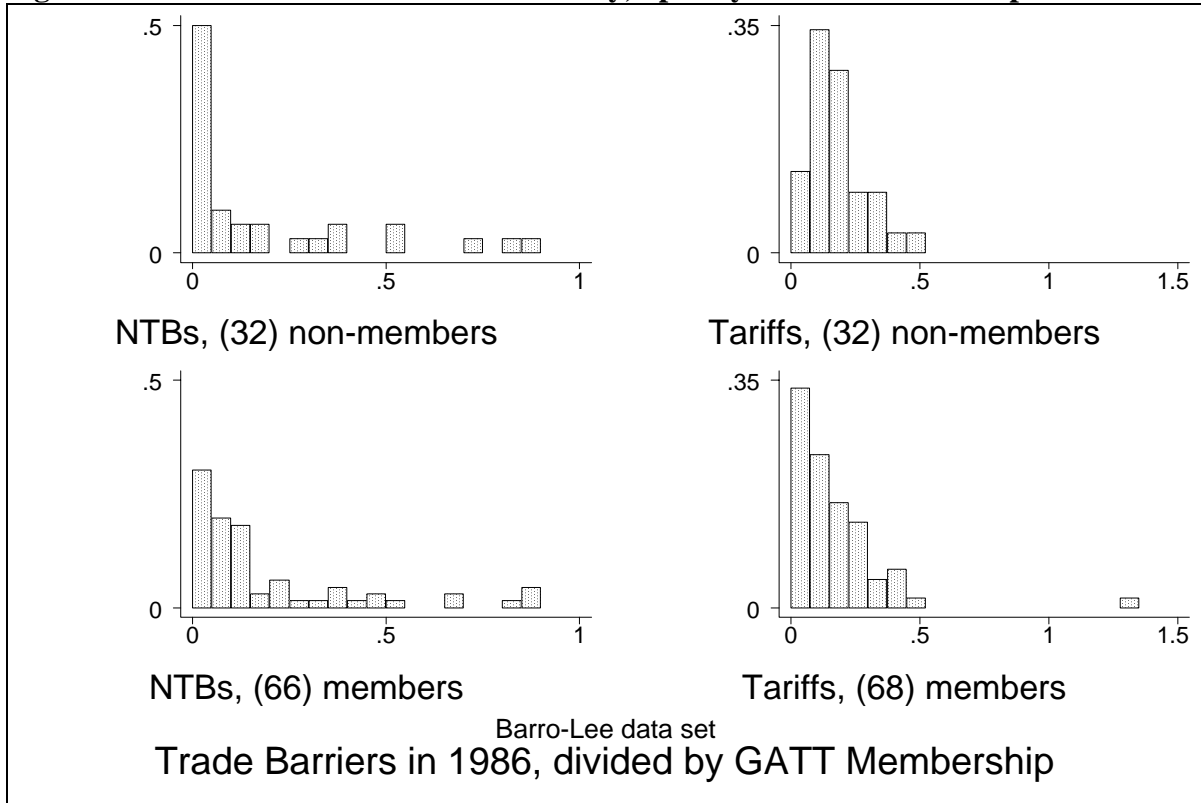
**Table 6: GATT Membership and Liberalization Dates from Greenaway et al.**

	SA loan	Dean Lib'n	GATT Entry		SA loan	Dean Lib'n	GATT Entry		SA loan	Dean Lib'n	GATT Entry
<b>Algeria</b>	1989			<b>Honduras</b>	1988		1994	<b>Philippines</b>	1980	1986	1979
<b>Argentina</b>	1987	1989	1967	<b>India</b>	1991		1948	<b>Senegal</b>	1981	1986	1963
<b>Bangladesh</b>	1989		1972	<b>Indonesia</b>	1987	1986	1950	<b>South Africa</b>		1990	1948
<b>Bolivia</b>	1980		1990	<b>Jamaica</b>	1982		1963	<b>Sri Lanka</b>		1987	1948
<b>Brazil</b>	1983	1987	1948	<b>Kenya</b>	1980	1988	1964	<b>Thailand</b>	1982	1989	1982
<b>C.A.R.</b>	1987		1963	<b>Korea</b>	1982	1987	1967	<b>Togo</b>	1983		1964
<b>Cameroon</b>	1989	1989	1963	<b>Malawi</b>	1981	1988	1964	<b>Trin.&amp;Tob.</b>	1990		1962
<b>Chile</b>	1985	1985	1949	<b>Malaysia</b>		1988	1957	<b>Tunisia</b>	1987		1990
<b>Colombia</b>	1985	1985	1981	<b>Mauritius</b>	1981		1970	<b>Uruguay</b>	1987		1953
<b>Costa Rica</b>	1985	1985	1990	<b>Mexico</b>	1986	1985	1986	<b>Venezuela</b>	1989	1989	1990
<b>El Salvador</b>	1991		1991	<b>Niger</b>	1986		1963	<b>Zaire</b>	1987		1971
<b>Ghana</b>	1987	1987	1957	<b>Pakistan</b>	1982	1988	1948	<b>Zambia</b>	1985		1982
<b>Guyana</b>	1981		1966	<b>Peru</b>		1989	1951				

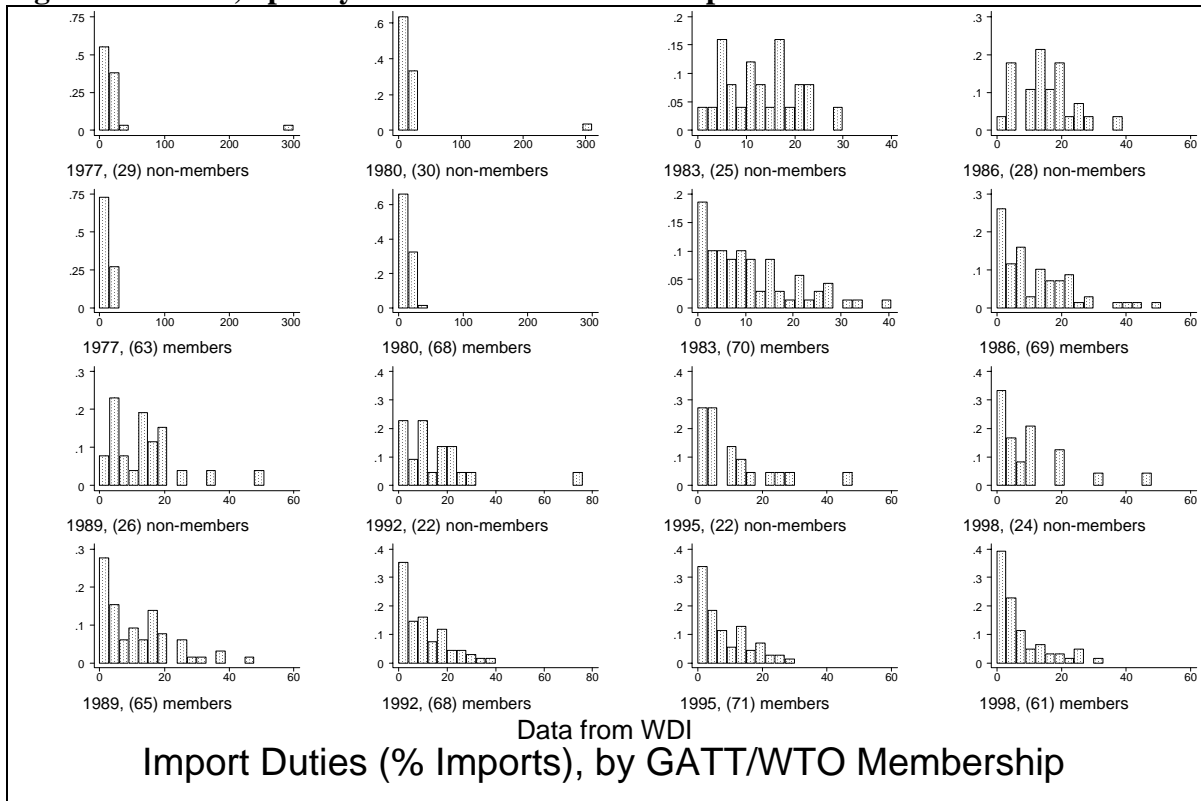
Taken from Greenaway et.al. (2002)



**Figure 1: Standard Measures of Trade Policy, Split by GATT Membership**

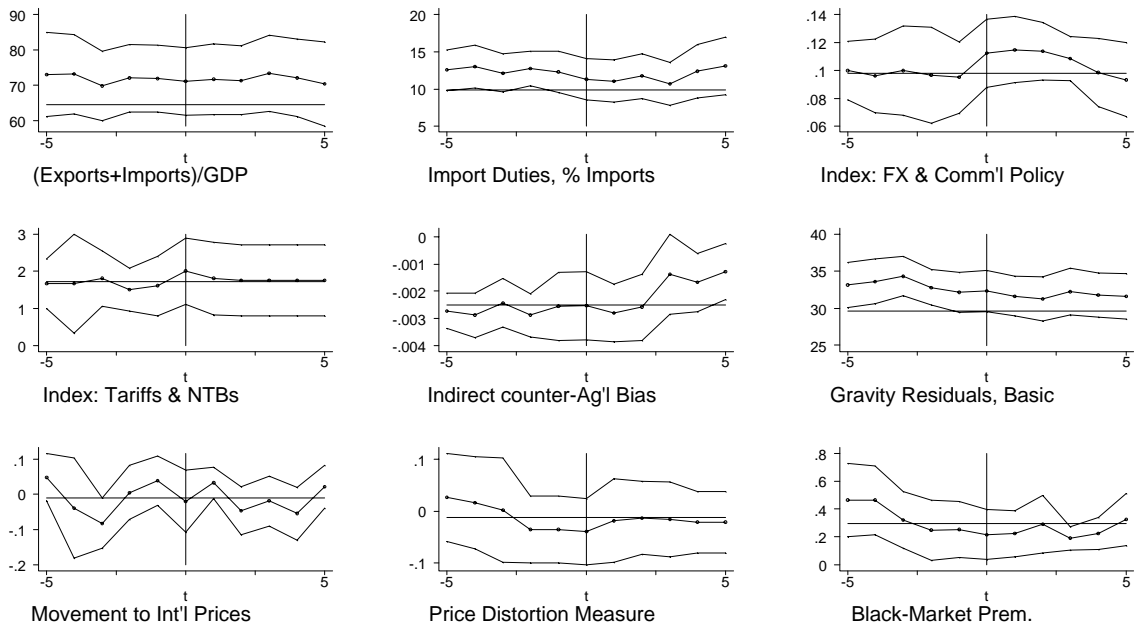


**Figure 2: Tariffs, Split by GATT/WTO Membership**



**Figure 3: Effect of GATT/WTO Accession on Trade Policy**

Five-year event study around (107) GATT/WTO accessions.  
 PWT6, 1950-1998; samples vary.



Mean, with +/- 2 standard deviations; GATT/WTO averages marked.

**Effect of GATT/WTO entry on Trade Policy**

## Appendix 1: Countries in Penn World Table 6 (pre-1999 GATT/WTO accession date)

Albania	Georgia	Papua N. Guinea (1994)
Algeria	Germany (1951)	Paraguay (1994)
Angola (1994)	Ghana (1957)	Peru (1951)
Antigua and Barbuda (1987)	Greece (1950)	Philippines (1979)
Argentina (1967)	Grenada (1994)	Poland (1967)
Armenia	Guatemala (1991)	Portugal (1962)
Australia (1948)	Guinea (1994)	Puerto Rico (1948)
Austria (1951)	Guinea-Bissau (1994)	Qatar (1994)
Azerbaijan	Guyana (1966)	Romania (1971)
Bahamas	Haiti (1950)	Russia
Bahrain (1993)	Honduras (1994)	Rwanda (1966)
Bangladesh (1972)	Hong Kong (1986)	Sao Tome & Principe
Barbados (1967)	Hungary (1973)	Saudi Arabia
Belarus	Iceland (1968)	Senegal (1963)
Belgium (1948)	India (1948)	Seychelles
Belize (1983)	Indonesia (1950)	Sierra Leone (1961)
Benin (1963)	Iran	Singapore (1973)
Bermuda	Ireland (1967)	Slovak Republic (1993)
Bhutan	Israel (1962)	Slovenia (1994)
Bolivia (1990)	Italy (1950)	South Africa (1948)
Botswana (1987)	Jamaica (1963)	Spain (1963)
Brazil (1948)	Japan (1955)	Sri Lanka (1948)
Bulgaria (1996)	Jordan	St. Kitts & Nevis (1994)
Burkina Faso (1963)	Kazakhstan	St. Lucia (1993)
Burundi (1965)	Kenya (1964)	St. Vincent & Gren.(1993)
Cambodia	Korea, South (R) (1967)	Sudan
Cameroon (1963)	Kuwait (1963)	Swaziland (1993)
Canada (1948)	Kyrgyz Republic (1998)	Sweden (1950)
Cape Verde	Lao People's Dem. Rep.	Switzerland (1966)
Central African Rep. (1963)	Latvia (1999)	Syria
Chad (1963)	Lebanon	Taiwan
Chile (1949)	Lesotho (1988)	Tajikistan
China	Lithuania	Tanzania (1961)
Colombia (1981)	Luxembourg (1948)	Thailand (1982)
Comoros	Macao (1991)	Togo (1964)
Congo, Dem. Rep. of (Zaire) (1971)	Macedonia	Trinidad & Tobago (1962)
Congo, Rep. (1963)	Madagascar (1963)	Tunisia (1990)
Costa Rica (1990)	Malawi (1964)	Turkey (1951)
Cote D'Ivoire (Ivory Coast) (1963)	Malaysia (1957)	Turkmenistan
Croatia	Mali (1993)	Uganda (1962)
Cuba (1948)	Malta (1964)	Ukraine
Cyprus (1963)	Mauritania (1963)	United Kingdom (1948)
Czech Republic (1993)	Mauritius (1970)	United States (1948)
Denmark (1950)	Mexico (1986)	Uruguay (1953)
Djibouti (1994)	Moldova	Uzbekistan
Dominica (1993)	Mongolia (1997)	Venezuela (1990)
Dominican Rep. (1950)	Morocco (1987)	Vietnam
Ecuador (1996)	Mozambique (1992)	Yemen, Republic of
Egypt (1970)	Namibia (1992)	Zambia (1982)
El Salvador (1991)	Nepal	Zimbabwe (1948)
Equatorial Guinea	Netherlands (1948)	
Eritrea	New Zealand (1948)	
Estonia (1999)	Nicaragua (1950)	
Ethiopia	Niger (1963)	
Fiji (1993)	Nigeria (1960)	
Finland (1950)	Norway (1948)	
France (1948)	Oman	
Gabon (1963)	Pakistan (1948)	
Gambia (1965)	Panama (1997)	

## Appendix 2: Sample Values of Trade Policy Measures

	(X+M)/Y 1995 (%)	Tariffs 1995 (%)	IEF 1995	NTB coverage 1986	1982 FX comm'l policy Index	Tariffs NTBs Index, 1982	Leamer Index 1982	Price Distortion 1982	Black Market Premium 1982
Argentina	19.8	8.5	2.75	.06	.08		-.14	-.04	.27
Australia	39.4	4.5	2.05				-.01		
Belgium	136.2	0		.11			.22		
Brazil	17.2		3.3	.05	.08	1	0	-.10	.54
Canada	72.6	.3	2.05	.02			0		
China	37.3	3.2	3.6	.29					.16
Egypt	50.0	6.2	3.7	.25			-.33		.08
France	43.6	.0	2.3	.05			0		
Germany	48.2	0	2.1	.12			.01		
India	25.0	4.8	3.8	.89				-.04	.12
Indonesia	54.0	3.3	3.4	.10	.13	1	.04	-.05	.01
Italy	50	.0	2.5	.07			.1		
Japan	17.3		1.85	.06			0		
Korea	61.9	4.7	2.15	.1	.17	3		.02	.04
Mexico	58.2	2.4	2.85	.06		1		-.16	.07
Netherlands	109.0	0		.13			.14		
Nigeria	86.5		3.25	.02					.61
Pakistan	37.1	23.9	3.15	.08	.1	1	-.03	-.15	.22
Singapore	339.1	.2	1.5	.01			.15	.06	.00
S. Africa	45.1	5.7	3						
Spain	45.4	.0	2.5	.12	.1		.04		.03
Sweden	74.1	1.0	2.65	.03			-.03		
Turkey	44.2	3.2	2.8	.87	.09	2	.02	-.11	.14
UK	57.2	0	1.9	.04			.06		
US	23.3	2.6	1.9	.12			0		
Zaire/Congo	52.2	9.2		.38					1.08

### Appendix 3: Trends in Trade Policy

Dependent Variable	Trend	Population	GDP p/c	Remoteness	Obs.	R <sup>2</sup>	RMSE
(Exports+Imports)/GDP	.27 (.22)	2.4 (7.7)	11.92 (4.06)	-167 (65)	5499	.87	16.2
Import Duties as % imports	-.11 (.12)	.3 (4.2)	-1.65 (1.57)	11. (78)	2099	.78	4.55
Index from FX and commercial policy	.004 (.004)	-.08 (.10)	-.02 (.04)	.00 (1.2)	356	.47	.03
Index from Tariffs and NTBs	.09 (.10)	-2.3 (3.1)	.39 (.57)	-156 (56)	255	.82	.41
Indirect counter-agricultural bias	-.0001 (.0001)	.000 (.004)	.003 (.001)	-.050 (.028)	396	.60	.001
Gravity-Residuals, basic model	.38 (.09)	-4.79 (2.87)	-4.35 (1.50)	19.5 (56.0)	2502	.86	3.88
Movement to International Prices	-.005 (.003)	.01 (.12)	.00 (.04)	-3.38 (1.64)	539	.24	.127
Modified Price Distortion Index	.001 (.007)	-.17 (.26)	.04 (.08)	-3.31 (2.13)	723	.55	.086
Black Market Premium	-.010 (.013)	.98 (.57)	-.45 (.23)	-2.7 (7.1)	1407	.36	.405

Population and real GDP per capita are included in natural logarithms from PWT6.  
Constant and country-specific fixed effects included but not recorded.

## Appendix 4: Changes in Trade Policy for GATT/WTO Members and Outsiders

Trade Policy Variable	----- 1-year changes -----			----- 5-year changes -----			----- 10-year changes -----		
	Members	non-Members	Equality Test	Members	non-Members	Equality Test	Members	non-Members	Equality Test
(Exports+Imports)/GDP	.52	.66	.65	3.55	4.81	.41	3.57	3.66	.98
Import Duties as % imports	-.21	-.26	.92	-.83	.91	.09	.04	3.42	.12
Index from FX and commercial policy	.001	.000	.74	.019	.007	.40			
Index from Tariffs and NTBs	.10	.13	.78	.44	.50	.91			
Indirect counter-agricultural bias	-.00	-.00	.34	-.00	-.00	.18			
Gravity-Residuals, basic model	.16	.11	.63	.84	1.01	.89	1.73	1.34	.70
Gravity-Residuals, augmented model	.20	.19	.92	1.00	1.29	.61	2.09	2.13	.97
Movement to International Prices	.001	.006	.78	-.02	.00	.63	.01	-.05	.36
Modified Price Distortion Index	-.003	.001	.19	-.02	.01	.18	.09	.09	.87
Black Market Premium	.01	.01	.85	-.02	.09	.11	.04	.07	.79

Simple differences tabulated for GATT/WTO members and non-members.

P-values for t-tests of equality between GATT/WTO members and non-members. Small values imply rejection of null hypothesis (equal changes in trade policy for GATT/WTO members and non-members).

5- and 10-year changes are for non-overlapping data.