

Replication Archive
Tomz, Goldstein, and Rivers
American Economic Review

This archive contains data, computer code, and output to replicate the analysis in Michael Tomz, Judith L. Goldstein, and Douglas Rivers, "Membership Has Its Privileges: The Impact of the GATT on International Trade," *American Economic Review*. The files in this archive are also available at <http://www.stanford.edu/~tomz>

All analyses were conducted using Stata Statistical Software version 9.2. The command files were verified on both Unix and Windows operating systems.

DATA: This archive contains four datasets in Stata format

- roseaer04.dta is the dataset from Andrew K. Rose, "Do We Really Know That the WTO Increases Trade?" *American Economic Review* 94(1): 98–114. The data were kindly provided by Rose.
- gattmbr.dta lists the annual membership status of each country that participated in the GATT/WTO. Only participants are listed; nonparticipants are not included. The unit of analysis is the country year. The file contains four variables: ctyname (country name), imf (the country's three-digit IMF country code), year, and gattmbr (the membership status variable, formatted as a string).

```
      obs:           8,559                                GATT Membership Status.
                                                         Monadic Dataset.
                                                         Nonparticipants are not listed
      vars:           4                                18 Jun 2007 21:02
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variable name      storage   display   value   variable label
                  type      format    label
-----
ctyname            str103   %103s                    Country Name
imf                int       %8.0g                    IMF code
year              int       %9.0g                    Year
gattmbr            str7     %9s                      GATT membership status
```

Formal members are identified by one of the following values of gattmbr:

orig: original/founding member of GATT

art33 entered the GATT through Article XXXIII

art26:5: entered the GATT through Article XXVI(5)

wto joined the World Trade Organization

Nonmember participants are identified by one of the following values of gattmbr:

col colonial participant in the GATT

df de facto participant in the GATT

prov provisional member of the GATT

- gattprov.dta lists the dyads and years for which provisional membership was in force. The unit of analysis is the dyad year. The file contains five variables: ctyname1 (name of the provisional member), ctyname2 (name of the country that explicitly accepted country 1's provisional status), imf1 (IMF code for the provisional member), imf2 (IMF code for the country that accepted 1's provisional status), and year. There is one record for each dyad year in which ctyname2 was bound to treat ctyname1 as a provisional member.

obs:	7,354	Provisional Membership - In force only for dyads that accepted it		
vars:	5	31 May 2004 08:21		
variable name	storage type	display format	value label	variable label
ctyname1	str15	%15s		Name of provisional member
ctyname2	str103	%103s		Name of accepting party
imf1	int	%8.0g		IMF code of provisional member
imf2	int	%8.0g		IMF code of accepting party
year	int	%9.0g		Year prov status was in force

- gatt35.dta lists the dyads and years in which at least one country had invoked either Article XXXV of the GATT or Article XIII of the WTO. The unit of analysis is the dyad year. Dyads appear in the dataset if and only if at least one member of the dyad invoked the articles, and there is one entry for each year in which the invocation remained in force. The file gives country names (ctyname1, ctyname2), IMF codes (imf1, imf2), and the year. The variable art351 takes a value of 1 if an Article XXXV/XIII invocation by country 1 was in force against country 2. Likewise, art352 takes a value of 1 if an Article XXXV/XIII invocation by country 2 was in force against country 1.

obs:	2,363	GATT Article 35 invocations (noninvokers not listed)		
vars:	7	31 May 2004 08:38		
size:	226,848 (97.9% of memory free)			
variable name	storage type	display format	value label	variable label
ctyname1	str18	%18s		Name of country 1
ctyname2	str62	%62s		Name of country 2
imf1	int	%9.0g		IMF code for country 1
imf2	int	%9.0g		IMF code for country 2
year	int	%9.0g		Year
art351	byte	%9.0g		Country 1 wholds benefits fr 2
art352	byte	%9.0g		Country 2 wholds benefits fr 1

COMPUTER CODE: The archive contains 2 Stata do-files. Step1.do merges roseaer04.dta with information from gattmbr.dta, gattprov.dta, and gatt35.dta, and it corrects some errors in roseaer04.dta. The augmented and corrected dataset is saved to Stata's working directory as TGR2007. Step2.do conducts the analysis and generates 6 log files, listed below. These do-files must be run in proper sequence, with step1.do before step2.do. Users can run the do files by typing "do step1" or "do step2" at the Stata command prompt.

LOG FILES: The archive contains the following log files:

compare.log	compares GATT variables in Rose vs. Tomz, Goldstein, & Rivers
table1.log	replication of table 1 and associated footnotes/text
table2.log	replication of table 2 and associated footnotes/text
table3.log	replication of table 3 and associated footnotes/text
table4.log	replication of table 4 and associated footnotes/text
table5.log	replication of table 5 and associated footnotes/text

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