

Data Description for Estimates of Ad-Valorem Equivalents (AVEs) of Non-Tariff Measures (NTMs)

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1. Introduction

The estimates of ad-valorem equivalents (AVEs) of non-tariff measures (NTMs) reported in the data file ('ntmestimation.dta') are from Niu, Liu, Gunessee and Milner (2017), and is now available on the Nottingham Centre for Research on Globalisation and Economic Policy (GEP) website at <https://www.nottingham.ac.uk/gep/index.aspx>. A full explanation of the data sources used to estimate the product-level AVEs and the methodology used for estimation purposes is provided in Nui et al. (2017). This note provides some summary information on the data set itself: the variables available and the country and year coverage.

2. Variables description

The database contains five variables, namely **country name**, **iso3**, **year**, **hs0**, and **ave_of_ntm**. The meaning of each variable is as follows:

- **countryname:**
This is the importing country name for each observation; the reported AVE of NTMs is on the specific product imported by this country. 97 countries (developed and developing) are covered.
- **iso3**
This is the ISO3 code for each country (corresponding to the country name).
- **year**
This is the year of reported NTM implementation, at three yearly intervals ranging over the period 1997-2015, namely for 1997, 2000, 2003, 2006, 2009, 2012 and 2015.
- **hs0:**
Products are coded at the 6-digit level (5009 products) of the Harmonized System (HS) nomenclature (version 0, 1988/92).
- **ave_of_ntm**
The AVE of NTMs is the estimated tariff equivalent (expressed in coefficient form) arising from the incidence of the core NTMs as reported in UNCTAD's TRAINS (Trade Analysis Information System) and based on the MAST (Multi-Agency Support Team) classification.¹ Each observation is the estimated tariff equivalent level of protection level of core NTMs for a product imported by a country in the particular year.

¹ Core NTM refers to price control measures, quantity restriction, monopolistic measures and technical measures. These measures cover about 85% of all the NTMs implemented during the period 1997-2015.

Table 1: Variable Name, Format and Description

Variables:

Name:	Format	Description
countryname	20 digit string	Country name for each observation.
iso3	3 digit string	3 digit ISO Country Code
year	4 digit number	NTM implementation year, ranging from 1997-2015, every three years
hs0	5-6 digit number	The products are coded at HS 6-digit level, version 0 (1988/92).
ave_of_ntm	Numeric (coefficient form)	The AVEs of NTMs for each product imported by a country in each year.

3. Country and year coverage

The database consists AVEs of NTMs for 5009 products imported by 97 countries in specific years over the period 1997-2015. 31 countries belong to the OECD and 66 are non-OECD countries. The country-year list for available data is as follows:

iso3	Available year	iso3	Available year	iso3	Available year
AFG	2009, 2012, 2015	GMB	2003,2009, 2012, 2015	NLD	2003, 2006, 2009, 2012, 2015
ARG	1997, 2000, 2003, 2006, 2009, 2012, 2015	GRC	2003, 2006, 2009, 2012, 2015	NPL	2000, 2003,2009, 2012, 2015
AUS	2003, 2006, 2009, 2012, 2015	GTM	1997, 2000, 2003, 2006, 2009, 2012, 2015	NZL	2003, 2006, 2009, 2012, 2015
AUT	2003, 2006, 2009, 2012, 2015	HKG	1997, 2000, 2003, 2006, 2009, 2012, 2015	PAK	2003, 2006, 2009, 2012, 2015
BEL	2003, 2006, 2009, 2012, 2015	HND	1997, 2000, 2003, 2006, 2009, 2012, 2015	PAN	1997, 2000, 2003, 2006, 2009, 2012, 2015
BEN	2012, 2015	HRV	2012, 2015	PER	1997, 2000, 2003, 2006, 2009, 2012, 2015
BFA	2000, 2003, 2006, 2009, 2012, 2015	HUN	2003, 2006, 2009, 2012, 2015	PHL	1997, 2000, 2003, 2006, 2009, 2012, 2015
BGR	2009, 2012, 2015	IDN	1997, 2000, 2003, 2006, 2009, 2012, 2015	POL	2003, 2006, 2009, 2012, 2015
BOL	1997, 2000, 2003, 2006, 2009, 2012, 2015	IND	1997, 2000, 2003, 2006, 2009, 2012, 2015	PRT	2003, 2006, 2009, 2012, 2015
BRA	1997, 2000, 2003, 2006, 2009, 2012, 2015	IRL	2003, 2006, 2009, 2012, 2015	PRY	1997, 2000, 2003, 2006, 2009, 2012, 2015
BRN	1997, 2000, 2003, 2006,2012, 2015	ISR	2003, 2006, 2009, 2012, 2015	ROM	2009, 2012, 2015
CAN	2003, 2006, 2009, 2012, 2015	ITA	2003, 2006, 2009, 2012, 2015	RUS	2006, 2009, 2012, 2015
CHL	1997, 2000, 2003, 2006, 2009, 2012, 2015	JAM	2003, 2006, 2009, 2012.	RWA	1997, 2000, 2003, 2006, 2009, 2012, 2015

iso3	Available year	iso3	Available year	iso3	Available year
CHN	1997, 2000, 2003, 2006, 2009, 2012, 2015	JPN	1997, 2000, 2003, 2006, 2009, 2012, 2015	SEN	2000, 2003, 2006, 2009, 2012, 2015
CIV	1997, 2000, 2003, 2006, 2009, 2012, 2015	KAZ	2006, 2009, 2012, 2015	SGP	1997, 2000, 2003, 2006, 2009, 2012, 2015
COL	1997, 2000, 2003, 2006, 2009, 2012, 2015	KHM	2003, 2006, 2009, 2012, 2015	SLV	1997, 2000, 2003, 2006, 2009, 2012, 2015
CPV	2006, 2009, 2012, 2015	KOR	2003, 2006, 2009, 2012, 2015	SVK	2006, 2009, 2012, 2015
CRI	1997, 2000, 2003, 2006, 2009, 2012, 2015	LBN	1997, 2000, 2003, 2006, 2009, 2012, 2015	SVN	2003, 2006, 2009, 2012, 2015
CUB	2000, 2003, 2006.	LKA	2000, 2003, 2006, 2009, 2012, 2015	SWE	2003, 2006, 2009, 2012, 2015
CYP	2003, 2006, 2009, 2012, 2015	LTU	2003, 2006, 2009, 2012, 2015	TGO	1997, 2000, 2003, 2006, 2009, 2012, 2015
CZE	2003, 2006, 2009, 2012, 2015	LUX	2003, 2006, 2009, 2012, 2015	THA	2000, 2003, 2006, 2009, 2012, 2015
DEU	2003, 2006, 2009, 2012, 2015	LVA	2003, 2006, 2009, 2012, 2015	TTO	2000, 2003, 2006, 2009, 2012.
DNK	2003, 2006, 2009, 2012, 2015	MAR	1997, 2000, 2003, 2006, 2009, 2012, 2015	TUN	1997, 2000, 2003, 2006, 2009, 2012, 2015
DOM	2012, 2015	MDG	2000, 2003, 2006, 2009, 2012, 2015	TUR	1997, 2000, 2003, 2006, 2009, 2012, 2015
ECU	1997, 2000, 2003, 2006, 2009, 2012, 2015	MEX	1997, 2000, 2003, 2006, 2009, 2012, 2015	TZA	2009, 2012, 2015
EGY	1997, 2000, 2003, 2006, 2009, 2012, 2015	MLI	1997, 2000, 2003, 2006, 2009, 2012.	UKR	2003, 2006, 2009, 2012, 2015
ESP	2003, 2006, 2009, 2012, 2015	MLT	2003, 2006, 2009, 2012, 2015	URY	1997, 2000, 2003, 2006, 2009, 2012, 2015
EST	2003, 2006, 2009, 2012, 2015	MUS	1997, 2000, 2003, 2006, 2009, 2012, 2015	USA	2003, 2006, 2009, 2012, 2015
FIN	2003, 2006, 2009, 2012, 2015	MWI	1997, 2000, 2003, 2006, 2009, 2012, 2015	VEN	1997, 2000, 2003, 2006, 2009, 2012, 2015
FRA	2003, 2006, 2009, 2012, 2015	MYS	1997, 2000, 2003, 2006, 2009, 2012, 2015	VNM	2006, 2009, 2012, 2015
GBR	2003, 2006, 2009, 2012, 2015	NER	2003, 2006, 2009, 2012, 2015	ZAF	2003, 2006, 2009, 2012, 2015
GHA	2000, 2003, 2006, 2009, 2012, 2015	NGA	2006, 2009, 2012, 2015		
GIN	2006, 2009.	NIC	1997, 2000, 2003, 2006, 2009, 2012, 2015		

4. How to access the data

The database consists of a single Stata file with the five variables described in Section 3. The database ('ntmestimation.dta') is available on the GEP website at: <https://www.nottingham.ac.uk/gep/index.aspx>. If you have any queries regarding the information in the data please email: zhaohui.niu@nottingham.edu.cn.

References

Zhaohui Niu, Chang Liu, Saileshsingh Gunessee, Chris Milner. 2017. Non-tariff and overall protection: evidence from across countries and over time. *GEP Research Paper 2017/08*: <https://www.nottingham.ac.uk/gep/news-events/news/papers/1708.aspx>.