

Model: WDST Equation terms, first equation matrix row, and sample equation for the banked equation group - CMKevar

CMKtx CMK base export weighted average export tax

export tax	CMK avg. tx
tx	:ROWbx))
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbx|:ROWbx|,USAtx|:ROWtx|)/(0.000001+SUMPRODUCT(USAcmm:ROWcmm,USAbx|:ROWb|

CMKtm CMK base import weighted average import tax

import tax	CMK avg. tm
tm	ROWbml))
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAtm|:ROWtm|)/(0.000001+SUMPRODUCT(USAcmm:ROWcmm,USAbm|:RO

CMKxs CMK exports

export supply	com. mk. supply
xs	s :ROWxs)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAs|:ROWxs|)

CMKmd CMK imports

import supply	com. mk. demand
md	:ROWmd)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAm|:ROWmd|)

CMKnt CMK net trade

CMK net trade	+ exports	-imports
nt	+!xs	-!md
FOODA	-	-

constant +!xs| -!md|

Most of these equations are indicators or sums, etc. for a common market. A country is designated a common market member by setting the cmm variable to a value of 1. You see this variable in many of the equations so that sums or sumproducts only count variables impacted by a cmm value of 1; otherwise cmm is 0.

CMKcp CMK base import weighted competitiveness index

CMK compet.	im. wtd. cp
cp	0001+!bm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAcpl:ROWcp|)/(0.000001+!bm|)

CMKtc estimate/set CMK tariff

CMK tariff	import wtd. avg.	or set tariff
tc	+!ta	+#
FOODA	-	

constant +!ta| +#

This is the common market tariff and equal to ta generated below. Rather than use the default common market tariff, you can set it here in the second column.

CMKth CMK simple average tariff

CMK high tariff	simple avg. tar.
th	001+!cmm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAtm|:ROWtm|)/(0.000001+!cmm)

CMKta CMK import (base) weighted average tariff

CMK avg. tariff	im. wtd. average
ta	0001+!bm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAtm|:ROWtm|)/(0.000001+!bm|)

The default common market tariff is the import weighted average tariff of proposed members.

CMKtl CMK (import + export) weighted import tariff

CMK low tariff	exp.+imp. wt. avg.
tl	+!bm +!bx)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAtm|:ROWtm|)/(0.000001+!bm|+!bx|)

CMKbx CMK base exports

CMK base ex.	sum base exports
bx	(:ROWbx)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbx|:ROWbx|)

CMKbm CMK base imports

CMK base im.	sum base imports
bm	(:ROWbm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|)

CMKbi CMK base import weighted average import price

CMK im. price	CMK avg. bi
bi	(0001+!bm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAbi|:ROWbi|)/(0.000001+!bm|)

CMKbt CMK base import weighted tariff

CMK base ta.	sum imp. wt. tar.
bt	(0001+!bm)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbm|:ROWbm|,USAbt|:ROWbt|)/(0.000001+!bm|)

CMKcmm count CMK members

CMK count	sum cmm
cmm	(ROWcmm)
cmm	-

constant +SUM(USAcmm:ROWcmm)

CMKxrt CMK average exchange rate

av. exch. rate	average xrt
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xrt	001+!cmm)
xrt	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAxrt:ROWxrt)/(0.000001+!cmm)

CMKcfl CMK capital flow

CMK capital fl.	sum cap. Flow
cfl	!cfl:ROWcfl)
cfl	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAcfl:ROWcfl)

CMKbop CMK balance of payments

CMK bal. of pay.	sum bop
bop	!bop:ROWbop)
bop	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAbop:ROWbop)

CMKyy CMK total trade (exports + imports)

total base trade	sum yy in CMK
yy	!yy:ROWyy)
FOODA	-

constant +SUMPRODUCT(USAcmm:ROWcmm,USAYy|:ROWyy|)

x))

Wbm))