

WDST	Model	Drive:\Directory\	Begin: 2005	Base: 2005	End: 2005	Time Periods for Data and Model					NCI	ESS	SONOFF
Sheet	World trade name	Description.....	Africa	Americas	Asia	Europe	Oceania						
USA	-	United States		x				0.0	0.7	0.000001			
EUUN	-	European Union (25)				x		0.0	0.7	0.000001			
JPN	-	Japan			x			0.0	0.7	0.000001			
CHN	-	China			x			0.0	0.7	0.000001			
CAN	-	Canada		x				0.0	0.7	0.000001			
KOR	-	Korea, Rep.			x			0.0	0.7	0.000001			
BRA	-	Brazil		x				0.0	0.7	0.000001			
IND	-	India			x			0.0	0.7	0.000001			
MEX	-	Mexico		x				0.0	0.7	0.000001			
RUS	-	Russian Fed.				x		0.0	0.7	0.000001			
AUS	-	Australia					x	0.0	0.7	0.000001			
CHE	-	Switzerland				x		0.0	0.7	0.000001			
TUR	-	Turkey			x			0.0	0.7	0.000001			
TWN	-	Taiwan, China			x			0.0	0.7	0.000001			
SAU	-	Saudi Arabia			x			0.0	0.7	0.000001			
NOR	-	Norway				x		0.0	0.7	0.000001			
IDN	-	Indonesia			x			0.0	0.7	0.000001			
ZAF	-	South Africa	x					0.0	0.7	0.000001			
IRN	-	Iran, Islamic Rep.			x			0.0	0.7	0.000001			
ARG	-	Argentina		x				0.0	0.7	0.000001			
HKG	-	Hong Kong, China			x			0.0	0.7	0.000001			
THA	-	Thailand			x			0.0	0.7	0.000001			
ARE	-	United Arab Emir.			x			0.0	0.7	0.000001			
VEN	-	Venezuela		x				0.0	0.7	0.000001			
MYS	-	Malaysia			x			0.0	0.7	0.000001			
ISR	-	Israel			x			0.0	0.7	0.000001			
COL	-	Colombia		x				0.0	0.7	0.000001			
PAK	-	Pakistan			x			0.0	0.7	0.000001			
SGP	-	Singapore			x			0.0	0.7	0.000001			
CHL	-	Chile		x				0.0	0.7	0.000001			
NZL	-	New Zealand					x	0.0	0.7	0.000001			
DZA	-	Algeria	x					0.0	0.7	0.000001			
NGA	-	Nigeria	x					0.0	0.7	0.000001			
ROM	-	Romania				x		0.0	0.7	0.000001			
PHL	-	Philippines			x			0.0	0.7	0.000001			
EGY	-	Egypt, Arab Rep.			x			0.0	0.7	0.000001			
UKR	-	Ukraine			x			0.0	0.7	0.000001			
PER	-	Peru	x					0.0	0.7	0.000001			
KWT	-	Kuwait			x			0.0	0.7	0.000001			
BGD	-	Bangladesh			x			0.0	0.7	0.000001			
KAZ	-	Kazakhstan			x			0.0	0.7	0.000001			
MAR	-	Morocco	x					0.0	0.7	0.000001			
VNM	-	Vietnam			x			0.0	0.7	0.000001			
SVK	-	Slovak Rep.				x		0.0	0.7	0.000001			
OAFRA	-	Other Africa	x					0.0	0.7	0.000001			
OAMRA	-	Other America		x				0.0	0.7	0.000001			
OASIA	-	Other Asia			x			0.0	0.7	0.000001			
ROW	-	Rest of World (residual region)						0.0	0.7	0.000001			
WLD	-	World market clearing mechanism						0.0	0.7	0.000001			
CMK	-	Common Market (CMKpx also used for world price lower bound)						0.0	0.7	0.000001			
FTA	-	Free Trade Area (FTApX also used for world price upper bound)						0.0	0.7	0.000001			

These are the countries/ regions in the WDST model.

Changing a number in a green cell and calculating the sheet repeats the same number in the gray cells below. NCI = non-competitive index (0 is competitive, 1 is totally non-competitive - P model uses 0.3). Instead of using this scheme to put in the same number for all countries and product groups, you can manually set the numbers for the cp (competitiveness index) in the data workbook. The ESS and SONOFF numbers are for the productivity equation (SONOFF = 0.000001 disengages the equation while 1 engages it).

Category	Description.....	1 d.	SITC sup.elas.	dem.elas.
FOODA	- Food and live animals	0	1.00	-1.00
BEVTB	- Beverages and tobacco	1	1.00	-1.00
CRUDM	- Crude materials, inedible, except fuels	2	1.00	-1.00
FUELS	- Mineral fuels, lubricants and related materials	3	1.00	-1.00
OILFT	- Animal and vegetable oils, fats and waxes	4	1.00	-1.00
CHEMR	- Chemicals and related products, n.e.s.	5	1.00	-1.00
MANUG	- Manufactured goods classified chiefly by material	6	1.00	-1.00
MACHT	- Machinery and transport equipment	7	1.00	-1.00
MISCM	- Miscellaneous manufactured articles, n.e.s.	8	1.00	-1.00
CTNEC	- Commodities and transactions not classified elsewhere	9	1.00	-1.00

The elasticities here are applied to all countries and products. However you can change them manually in the equation workbook.

Variable Format Lag Description..... Variable type>

WDST	<--Model	C:\VMOD\	Begin: 2005	Base: 2005	End: 2005
px	0.00	0	export price (index) (WLDpx-world price; CMK,FTApx - lower, upper world price bounds)		
pm	0.00	0	import price (index)		
tx	0.000	0	export tax rate (percent) (tax -, subsidy +)		
tm	0.000	0	import tariff rate (percent) (tariff +, subsidy -)		
xs	0	0	export supply (000\$)		
md	0	0	import demand (000\$)		
nt	0	0	net trade = xs-md (000\$)		
fx	0.00	0	export supply shift (index, 1=status quo) (also productivity shifter)		
fm	0.00	0	import demand shift (index, 1=status quo)		
cp	0.0	0	import market competitiveness (0=comp., 1=total non-comp.)		
tc	0.000	0	tariff for common market (percent) (default = ta)		
tf	0.000	0	trade premium in free trade area (percent) (default = tl)		
th	0.000	0	tariff, high (simple average)		
ta	0.000	0	tariff, average (import weighted average) - CMK default tariff		
tl	0.000	0	tariff, low (import+export weighted average) - FTA default tariff		
bx	0	0	base export supply (000\$)		
bm	0	0	base import demand (000\$)		
bi	0.00	0	base import price (index)		
bt	0.000	0	base tariff rate (percent)		
xx	0.000	0	1+non-competitive tariff equivalent (1-competitive, >1-non-competitive)		
yy	0	0	spare product variable (used for bx+bm)		
zz	0.00	0	spare product price variable (used for FTA calculations)		
cmm	0	0	common market member (member=1, non-member=0)		
ftm	0	0	free trade agreement member (member=1, non-member=0)		
xrt	0.000	0	exchange rate (index)		
cfl	0	0	capital flow (000\$)		
bop	0	0	balance of payments (000\$)		
x	0.0	0	spare country variable (used for exchange rate lower bound)		
y	0.0	0	spare country variable (used for exchange rate upper bound)		
z	0.00	0	spare country price variable		

"Spare" variables are always useful when building a model. Here they found uses as the model was developed.

spare variables can be used as needed if base data is put into data workbook

Isheet	Description.....
AFRIC	- Africa
AMERI	- Americas (North, Central, South)
ASIA	- Asia
EUROP	- Europe
OCEAN	- Oceania

These are the indicator variables created in the indicator workbook. Formulas are found there.

Icategory	Description.....
TOT	- Total (All sectors)

Ivariable	Description.....
sp	- surplus - export producer (000\$)
sc	- surplus - import consumer (000\$)
rv	- tariff revenue changes (000\$)
wf	- welfare (producer surplus + consumer surplus) - (000\$)
cx	- change in exports (% of base exports)
cm	- change in imports (% of base imports)
cs	- change in producer surplus - (% of base exports)
cc	- change in consumer surplus - (% of base imports)
cr	- change in tariff revenue - (% of base imports)
cw	- change in welfare - (% of base exports + imports)