

External Trade Statistics by Enterprise Characteristics

by Eyüp Mehmet DİNÇ

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Outline

- Introduction
- External Trade by Enterprise Characteristics

Introduction

- Turkey joined the Customs Union with the EU in 1996.
- Customs practices are harmonized with EU.
- Turkey is member of a number of international conventions, such as the revised Kyoto Convention, the Convention on Harmonized System
- TURKSTAT is responsible for producing and dissemination of external trade statistics
- Special trade system (Relaxed definition)

Introduction

- **Sources**
 - Customs documents (SAD) from Ministry of Customs and Trade
 - Data of free zones from Ministry of Economy
 - Crude Petroleum, Natural Gas, Electricity data are provided from trader companies by e-mail.
- **Time of Recording**
 - Enter to or leave from the customs territory

Introduction

Coverage

- Exclusions;
 - Shuttle trade,
 - Transit trade,
 - Monetary gold,
 - Temporary trade,
 - Banknotes, securities, coins not in circulation and foreign currencies,
 - Transactions under \$100
 - Goods for repair or maintenance (from 2009)

Introduction

- **Valuation**
 - Imports : CIF
 - Exports : FOB
- **Currency for Value**
 - US Dollars, Euro, Turkish Liras
 - All currencies are converted by using Central Bank daily exchange rates
- **Quantity**
 - Net mass for all commodities (Except electricity, natural gas)
 - Supplementary units for some commodities (Liter, M², Number, etc)

Introduction

➤ Partner Country

➤ Imports: Country of Origin

- Country of Consignment
- Country of Trading

➤ Exports: Country of Final Destination

- Country of Origin,
- Country of Trading

Introduction

Classifications

➤ Commodity Classification: GTIP

1	2	3	4	5	6	7	8	9	10	11	12
HS											
CN											
National Purposes (GTIP)											

- Others (SITC, BEC, CPC, CPA, ISIC)

➤ Country Classification: Geonomenclature (3-digit Numerical)

External Trade by Enterprise Characteristics

- Global economies require data on who is trading and what are the characteristics of trade operators.
- Trade statistics do not present by nature any explicit information on the characteristics of traders.
- This case requires establishing a direct relation between foreign trade and industrial statistics.

External Trade by Enterprise Characteristics

Trade statistics in their traditional form show which goods are moving between countries but they do not describe what kind of businesses are behind these trade flows.

Business registers contain essential identification information, such as

- name and address, and stratification information, such as
- size class and main economic activity of businesses.

External Trade by Enterprise Characteristics

Coherent compilation of trade statistics by enterprise characteristics requires micro level data linkage.

This can be done by establishing a linkage between trade registers and business registers.

The linkage of trade statistics with business statistics allows to measure,

- on the one hand, the contribution of real economic sectors to trading,
- on the other hand, to complement business data with detailed information on trade.

Data Requirements

External Trade Statistics

- ✓ Country
- ✓ Product (CPA 2008)
- ✓ Value (\$)

Business Register

- ✓ Activity Sector (NACE Rev.2)
- ✓ Number of employees

Most important benefit of linkage is
no additional
burden on data providers.

Definition

- ✓ **Reference year; 2009**
Dataset are compiled by linking micro data (data at trader level) on external trade with business registers in 2009.

- ✓ **The statistical unit; enterprise**

- ✓ **Activity code; NACE Rev.2**
(B-E: Industry, G:Trade, Others)

- ✓ **Product Code; CPA 2008**

Definition

- **Trade by activity**
 - What is the contribution of each activity sector to total trade?

- **Trade by activity and products**
 - Does an enterprise trade typical products of that industry?
 - Which industries are involved in trade of each product (manufacturers, service sector)?

- **Trade by size-class**
 - What is the contribution of small, medium-sized and big enterprises to trade?

- **Trade by size-class and activity**
 - Are small/big enterprises more typical in trade flows of certain activity sectors?

- **Trade by products or by partners**
 - How concentrated is the trade in particular products or with particular partner countries?

Matching Rates-1

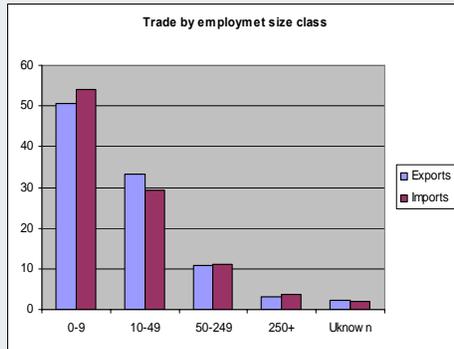
		Exports	Imports
		2009	2009
All trade operators	Number of foreign trade operators	48.668	57.998
	Value (000 \$)	102.142.613	140.928.421
Trade operators successfully matched with BR	Number of foreign trade operators	47.352	51.627
	Value (000 \$)	101.393.885	139.233.829
	Trade coverage (Number, %)	97,3	89,0
	Trade coverage (Value, %)	99,3	98,8

Matching Rates-2

Matching may be impaired by various reasons.

- ✓ Matching can be hampered for instance in cases when there is no ID code in use. In other words, this data contains normally all trade information - product and partner country - but not information on the business characteristics (activity sector or size-class).
- ✓ From the methodological viewpoint this procedure is analogical to the cases where matching is successful but in the business register size-class missing is defined unknown.

Trade by Employment Size Class (Number of enterprises)



Small and Medium Sized Enterprises (SME's) are forefront for both

- Exports %94.6,
- Imports %94.3

Number of Employees

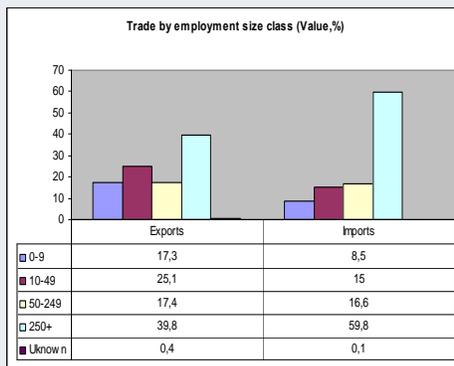
0-9 » Micro enterprise

50-249 » Medium- sized enterprise

10-49 » Small enterprise

250+ » Large enterprise

Trade by Employment Size Class



The proportion of SME's is

- 59,8% for exports
- 40,1% for imports

Number of Employees

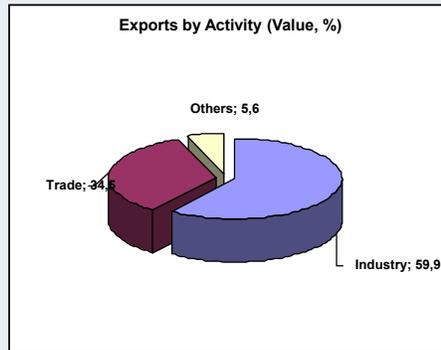
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External Trade by Activity



Exports

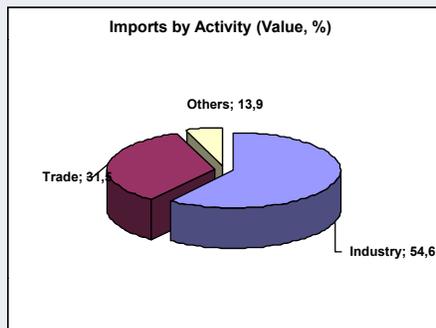
➤ “Industry”

first,

➤ “Trade”

second

External Trade by Economic Activity



Imports

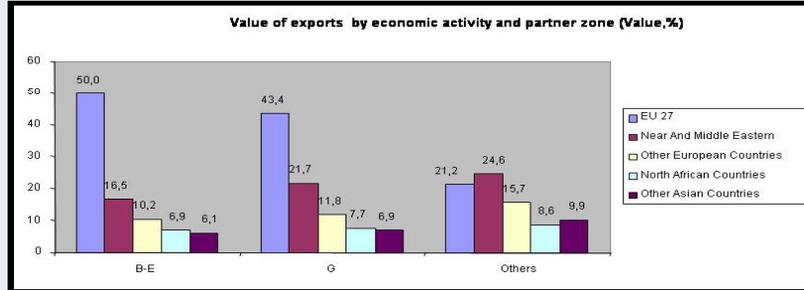
➤ “Industry”

first,

➤ “Trade”

second

Trade by Economic Activity and Partner Zone



Industrial enterprises exported to :

EU 27

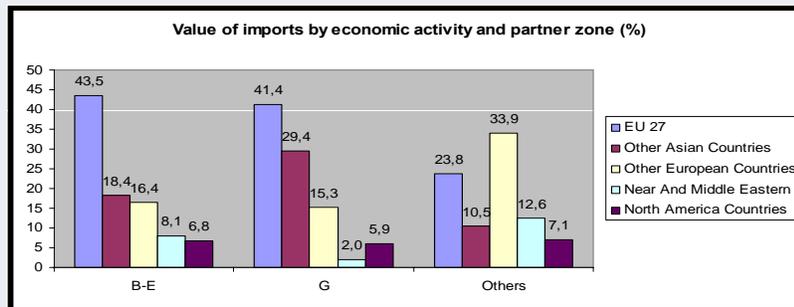
Near and Middle East

Other European Countries

North African Countries

Other Asian Countries

Trade by Economic Activity and Partner Zone



Industrial enterprises imported from :

EU 27

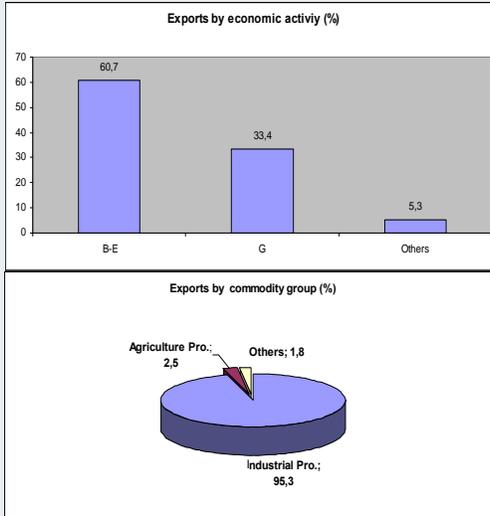
Other Asian Countries

Other European Countries

Near and Middle East

North American Countries

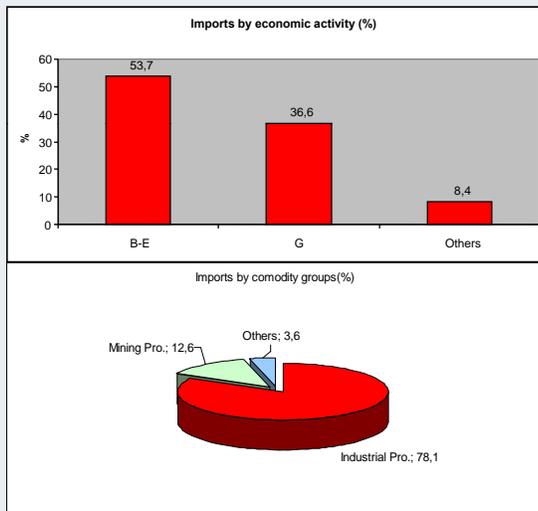
Trade by commodity group and economic activity(%)



❖ 60,7% of enterprises which exported industrial products, performed in “industry” as a main activity

❖ Industrial enterprises exported “industrial products” as a rate of 95,3% and 2,5% “agricultural products”

Trade by commodity group and economic activity(%)



❖ 53,7% of enterprises which imported industrial products, performed in “industry” as a main activity

❖ Industrial enterprises imported “industrial products” as a rate of 78,1% and 12,6% “mining products” and 3,6% “agricultural products”

Concentration of trade by economic activity (%)

		Activity (IACE Rev.2)					Activity (IACE Rev.2)			
		B-E	G	Others	Total		B-E	G	Others	Total
		Industry	Trade				Industry	Trade		
Exports	Top 5 enterprises	18,1	14,1	26,6	17,2	Top 5 enterprises	21,0	10,3	56,0	22,7
	Top 10 enterprises	26,6	20,2	34,1	24,8	Top 10 enterprises	28,1	16,1	61,8	29,2
	Top 20 enterprises	33,3	26,8	42,6	31,7	Top 20 enterprises	36,8	23,5	69,6	37,4
	Top 50 enterprises	41,8	38,0	55,3	41,4	Top 50 enterprises	48,5	35,4	79,1	48,8
	Top 100 enterprises	48,9	45,9	63,8	48,9	Top 100 enterprises	58,0	45,7	84,9	58,1
	Top 500 enterprises	69,7	65,7	85,4	69,4	Top 500 enterprises	78,5	69,3	94,1	77,9
	Top 1000 enterprises	79,5	75,3	92,8	79,0	Top 1000 enterprises	86,3	78,3	96,8	85,4
	All enterprises	100	100	100	100	All enterprises	100	100	100	100
Imports	Top 5 enterprises	18,1	14,1	26,6	17,2	Top 5 enterprises	21,0	10,3	56,0	22,7
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	Top 1000 enterprises	79,5	75,3	92,8	79,0	Top 1000 enterprises	86,3	78,3	96,8	85,4
	All enterprises	100	100	100	100	All enterprises	100	100	100	100

Trade according to number of partner countries, 2009(%)

		Economic Activity (NACE Rev.2)					
		Exports			Imports		
		B-E	G	Other	B-E	G	Other
		Industry	Trade	Other	Industry	Trade	Other
1 partner country	Number (%)	38,3	47,9	64,6	37,7	47,9	55,3
	Value (%)	6,8	9,3	26,8	1,6	6	6,4
2 partner countries	Number (%)	16,6	17,1	16,0	17,2	17,4	17,1
	Value (%)	2,7	5,3	12,4	1,6	4,8	3,9
3-5 partner countries	Number (%)	20,9	18,6	12,5	21,4	19,3	16,7
	Value (%)	7,6	13,4	36,7	4,3	11,4	5,9
6-9 Partner countries	Number (%)	10,2	7,9	4,0	11,7	8,2	6,4
	Value (%)	7,7	9,3	7,4	6,0	11	6,4
10-14 partner countries	Number (%)	5,9	3,8	1,5	6	3,9	2,6
	Value (%)	7,7	7,4	7,4	8,5	16,0	8,1
15-19 partner countries	Number (%)	3,1	1,8	0,5	3,0	1,7	1,1
	Value (%)	6,2	6,5	1	9,6	10,2	58,7
20+ countries	Number (%)	5,0	2,9	0,8	2,9	1,6	0,7
	Value (%)	61,4	48,7	8,5	68,4	40,8	10,7

Planned Activities

- Effects of Foreign Direct Investment enterprises on external trade statistics
- To add values to dynamic query,
- To disseminate press release every year.

Thank you for your attention !!!