

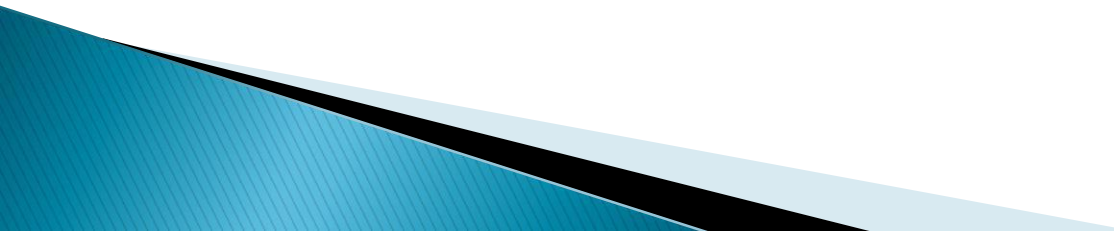
Trade Analysis with TradeSift

Sreya Pan

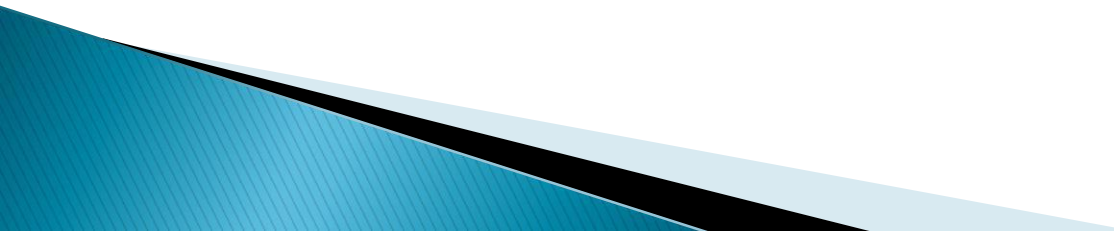
TradeSift Software

- ▶ The software developed by InterAnalysis Ltd. Its a team of international trade policy specialists of the University of Sussex, UK.
- ▶ No formal like CGE, econometric modelling is require to interpret the data.
- ▶ Nine trade related indicators can be calculated in the software.
- ▶ Theses indicators reveal qualitative information about the country trade scenario like trade arrangements and trade profile of a country.
- ▶ We can also calculate Tariff and Service trade.
- ▶ It is designed to save time spending on complex calculations and analysis. Because we need not write any programming to run the software. We have just select the key and press it for result.

Features

- ▶ Tradesift does not come with any pre-loaded data.
 - ▶ We have to feed data from various sources like COMTRADE, WITS, Eurostat, BACI, UNSTAT and Global Trade Atlas etc. we can also load our own national data.
 - ▶ We can load data at all levels of disaggregation including 8 and 10-digit data.
 - ▶ We can load our own dataset, the file format should be TXT,CSV, XLS.
 - ▶ Standard nomenclature classification like HS, SITC, BEC etc are inbuilt in TradeSift.
 - ▶ Industry grouping like trade in “high-tech”, “medium-tech” and “low tech” sectors are already provided in TradeSift.
 - ▶ We can also create our own product groups and organises the data in different ways.
 - ▶ It can also analyse annual, quarterly and monthly data.
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Continues...

- ▶ For analysis we can upload data for Trade, Service, Tariff, GDP data and WDI data
 - ▶ After any calculation we can produce the result in tables and charts.
 - ▶ chart option gives you a large number of choice of charts.
 - ▶ It includes an integrated report writer. Where we can write a full report without ever leaving the program.
 - ▶ Produced charts or tables can simply be dropped on to report page.
 - ▶ The reports can be saved in all common document formats.
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Trade Data Calculation

- ▶ Create a project.
- ▶ Load data.
- ▶ Select Trade Data → nomenclature → flow type (net or gross) → country → partners → years → industries (all industries, selected industries and selected product groups) → calculate.
- ▶ 1st col. of result is partner, then year, products then export and import values, shares, rank and their trade balance. If you don't want all the cols you can hide the col. also
- ▶ There is an option called “Top Exports/ Top Imports” – these will give you top export/import items of a country (you can select any number 10,20,50 like that)
- ▶ From result you can draw charts and tables also

Navigator

- Project
- Load Data
 - Load Data
 - Data Summary
 - Loading Log
- Project Data
 - Trade Data
 - Services Data
 - Tariff Data
 - GDP Data
 - WDI Data
- Indicators
 - OPN: Openness
 - RCA: Revealed Com...
 - TCI: Trade Concentr...
 - FKI: Finger-Kreinin I...
 - IIT: Intra-Industry T...
 - RMA: Revealed Mar...
 - RECPI: Relative Exp...
 - TII: Trade Intensity ...

Trade Data

Nomen Country: India Year: 2012 Currency: USD - United States Dollar Total Rows: 4,433
 Digit-Level: 6-Digit Partner: USA Flow Type: Net Units: Thousands Limited To: 10
 Data Source: Comtrade via WITS Limits: Top 10 Product on Imports Value
 Data Method: Loaded from 6-Digit data.

Display Options

Imports Ranks Qtys Country Sort: Product Limit: Top 10 Top Imports Filter Chg Type: None Row Totals
 Exports Shares Weights Units By: Imports Field: Product Top Exports Clear Chg Field: <Select> Row Gr Tots
 Balance Columns (11) Decimals Order: Descending By: Imports Range Info Sum Type: Sum Col Totals

Project Explorer

- Data Selections
 - Tariff Data
 - INDx4 AHS Tari...
 - Trade Data
 - Top 5 Exports 2...
 - Indicators
 - RCA
 - RCA Standard ...
 - RCA Standard 1...
 - Top 5 RCA Stan...
 - Charts
 - Tables
 - Top 10 Imports IN...
 - Documents
 - Images

Trade Data Log Help Concepts

Partner	Year	Product	Imports Value	Imports Rank	Imports Share	Exports Value	Exports Rank	Exports Share	Trade Balance
USA	2012	710812 Gold ...	28,555,407	1	11.8461 %	0.000	3646	0.0000 %	-28,55,555.
		999999 Com...	21,43,593.772	2	8.8926 %	66,567.038	77	0.1791 %	-20,77,026.
		270119 Coal ...	9,86,020.181	3	4.0904 %	0.052	3613	0.0000 %	-9,86,020.
		710239 Diam...	7,50,704.323	4	3.1143 %	45,57,119.527	2	12.2600 %	38,06,415.
		310530 Diam...	7,16,044.060	5	2.9705 %	0.000	3646	0.0000 %	-7,16,044.
		720449 Ferro...	4,68,315.686	6	1.9428 %	1.943	3384	0.0000 %	-4,68,313.
		880330 Parts...	4,52,900.413	7	1.8788 %	2,22,695.690	19	0.5991 %	-2,30,204.
		271390 Resid...	3,83,870.288	8	1.5925 %	0.130	3583	0.0000 %	-3,83,870.

Indicators

- ▶ Trade Openness
 - ▶ Revealed comparative advantage (RCA)
 - Standard RCA
 - Bilateral RCA
 - ▶ Revealed Market Access (RMA)
 - ▶ Intra-Industry Trade (IIT)
 - ▶ Finger-Kreinin Index (FKI)
 - ▶ Trade Intensity Index (TII)
 - ▶ Trade Concentration Index (TCI)
 - ▶ Revealed Export Competitive Pressure Index (RECPI)
 - ▶ Vertical Intra-Industry Specialisation (VIIS)
- 

RCA Calculation

- ▶ Three types of RCA can be calculated
- ▶ Standard RCA(we , Bilateral RCA1 (Relative to another country) and Bilateral RCA2 (in a particular market)
- ▶ 'Normalised' option- it gives RCA within range -1 to +1.
- ▶ Load data
- ▶ Select RCA indicator → nomenclature → flow type (net or gross) → country → partners → years → industries (all industries, selected industries and selected product groups) → calculate.
- ▶ Result gives in year wise by product format.

Standard RCA

TradeSift V2.1.8 - colombo project

File View Project Data Indicators Custom Reference Tools Windows Help

OPN RCA TCI FKI IIT RMA RECPI

Trade Data Trade Data Trade Data Top 10 Impor... Chart Trade Data RCA RCA RCA

RCA Nomen Flow Type Country Years Industries Chart Table

Indicator RCA (Standard)

Indicator: RCA Country: USA Year: 2011 Currency: USD - United States Dollar Total Rows: 5,051
 Type: Standard Flow Type: Net Units: Thousands
 Type of Data: Trade Data Industries: All Data Source: Comtrade via WITS
 Nomenclature: H3 (HS 2007) Data Method: Loaded from 6-Digit data.
 Digit-Level: 6-Digit

Display Options

Imports Ranks Qtys Country Sort: Product Limit: None Top RCA Filter Chg Type: None Row Totals
 Exports Shares Weights Units By: Product Field: <Select> Clear Chg Field: <Select> Row Gr Totals
 Balance Columns (5) Decimals Order: Ascending By: <Select> Range Info Sum Type: Sum Col Totals Col Gr Totals

RCA Indicator Log Help RCA Concepts

Partner	Year	Product	Product ...	RCA
World	2011	020322	Hams, shoulder...	3.267
		020329	Meat of swine (...)	2.412
		020410	Carcasses/half-...	0.004
		020421	Carcasses/half-...	0.022
		020422	Meat of sheep (...)	0.048
		020423	Meat of sheep (...)	0.025
		020430	Carcasses/half-...	0.219
		020441	Carcasses/half...	0.004

Project: colombo project.tsp

Registered TradeSift 2.1.8

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27-01-2015

Tariff Calculation

- ▶ Tariffs, tariff peaks etc are calculated by partner country and by product
- ▶ Select Tariff Data → nomenclature → flow type (net or gross) → country → partners → years → duty type → industries (all industries, selected industries and selected product groups) → calculate.
- ▶ Same procedure for tariff also. Here u have to select type of tariff (like MFN, AHS-effective applied tariff, preferential tariff, bound tariff etc. are all included in it)
- ▶ TradeSift did deal with NTB data

Impact of Bangladesh and Sri Lanka FTA on Pakistan and India FTA with Sri Lanka

Group Member

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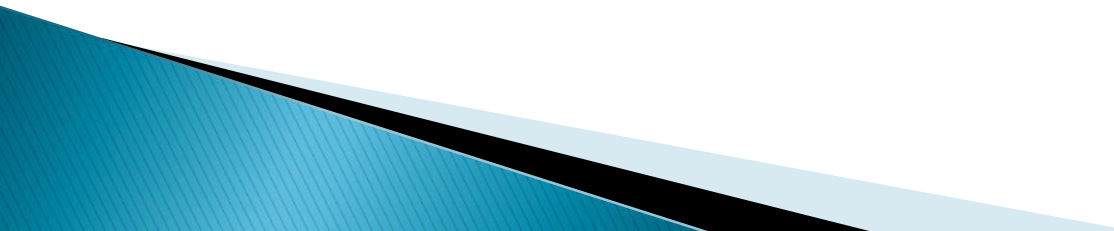
Ms. Tahira Saleem



Introduction

- ▶ Analysis of a proposed FTA between Bangladesh and Sri Lanka and its impact on
 - Pak- Sri Lanka FTA operational since June, 2005
 - India- Sri Lanka FTA operational since March, 2000

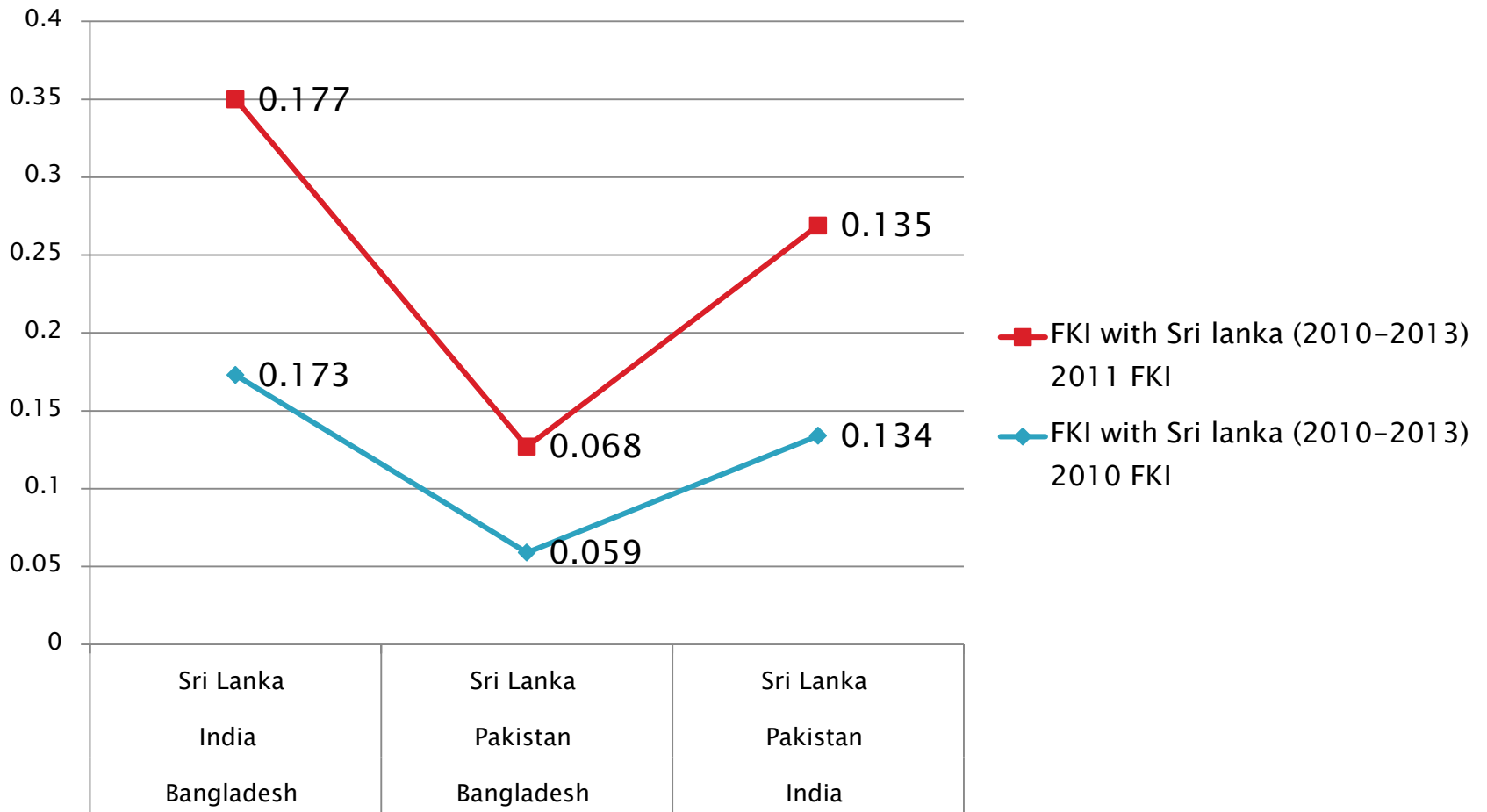
Methodology

- ▶ FKI for comparing the similarity between the export basket of Pakistan, India and Bangladesh to Sri Lanka
 - ▶ RCA for analyzing the comparative advantage existing between top common exports of Pakistan, India and Bangladesh to Sri Lanka.
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FKI Analysis

FKI with Srilanka (2010-2011)				
Reporter1	Reporter2	Partner	2010FKI	2011FKI
Bangladesh	India	Srilanka	0.173	0.177
Bangladesh	Pakistan	Srilanka	0.059	0.068
India	Pakistan	srilanka	0.134	0.135

FKI with Sri Lanka (2010-2011)



RCA

RCA with Sri Lanka 2009-2011

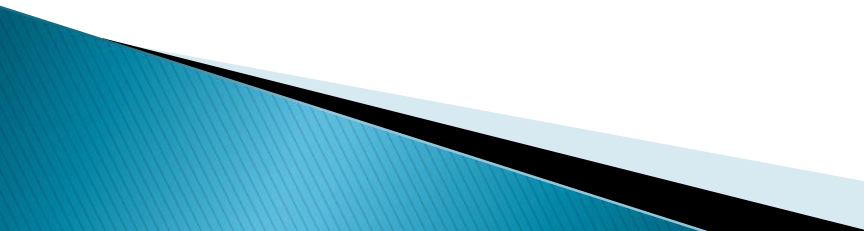
Product	Product Name	Bangladesh 2009 RCA	Bangladesh 2010 RCA	Bangladesh 2011 RCA	India 2009 RCA	India 2010 RCA	India 2011 RCA	Pakistan 2009 RCA	Pakistan 2010 RCA	Pakistan 2011 RCA
070190	Potatoes other than seed potatoes, fresh/chilled	-1.000	0.437	0.939	-0.248	0.110	0.122	0.919	0.924	0.898
090420	Fruits of the genera Capsicum/Pimenta, dried/crushed	-1.000	-1.000	-0.451	0.625	0.569	0.570	-0.412	-0.996	-1.000
300490	Medicaments (excluding goods of heading 30.02/30.0...	0.788	0.802	0.791	0.457	0.299	0.326	0.215	0.336	0.360
520100	Cotton, not carded/combed	-1.000	-1.000	-1.000	-0.499	-0.965	-1.000	-1.000	-1.000	-1.000
520939	Woven fabrics of cotton (excl. of 5209.31 & 5209.3...	-1.000	-1.000	-1.000	-0.745	-0.621	0.085	0.795	0.846	0.742
600622	Knitted/crocheted fabrics, n.e.s. in Ch.60, of cotton...	-0.881	-1.000	-1.000	0.071	-0.036	-0.092	0.703	0.680	0.618

(Source: TradeSift calculations using data from Comtrade via WITS 6-Digit)

RCA Analysis in selected Tariff Lines (2009-11)

- ▶ 070190 : Potatoes Fresh/Chilled (Other than seed potatoes)
 - Pakistan has a consistent RCA;
- 890420: Fruits of the Genera, Capsicum, Pimenta , Dried and Crush...
 - India has a significant RCA;
- 300490: Medicaments
 - Bangladesh has a significant RCA;
- 520100: Cotton not carded/combed
 - India has a significant RCA;
- 520939: Woven Fabrics
 - Pakistan has a significant RCA;
- 600622: Knitted/crocheted fabrics
 - Pakistan has a significant RCA;

Findings

- ▶ Graphical representation of FKI shows that there is a very little similarity among exports to Sri Lanka by India, Pakistan and Bangladesh. But the FKI also reveals that the similarity has been increasing gradually over time.
 - ▶ In the selected tariff lines, India and Pakistan are competing with the exception of medicaments in which Bangladesh has a significant comparative advantage
 - ▶ Since there is a little similarity in the export basket of India, Pakistan and Bangladesh, proposed FTA between Sri Lanka and Bangladesh may not affect the trade in goods.
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Future Work

- ▶ Bangladesh Exports to World
 - ▶ FKI
 - ▶ Existing Tariff Structure of Sri Lanka
 - ▶ Possible Implications of Sri Lanka Bangladesh FTA on Pakistan and India's respective FTAs with Sri Lanka
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Thank You