

## RSCA RCA

\*

RCA

RSCA

RCA

RCA

/

.( ) .

---

\*

1. Revealed Comparative Advantage (RCA)
2. Revealed Symmetric Comparative Advantage (RSCA)

.( )

.( )

( ).

.( )

.( )

- 
1. Dollar
  2. Hook

...

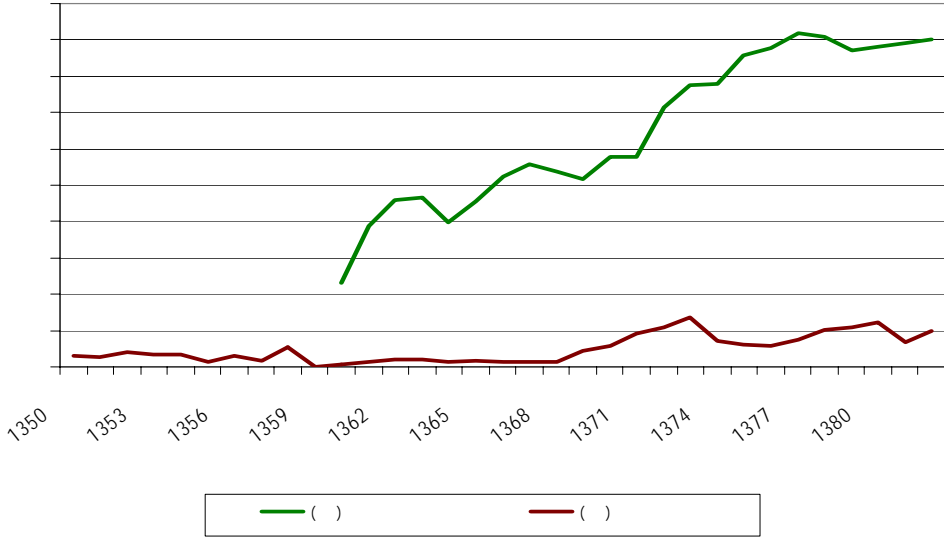
.( )

( ).

/

/  
.( )





.( )

/

. ( / ) ( / )

/ . ( / ) ( / )  
/ . ( )

.. /  
" "

•  
•

...

- 
- 
- 

(WTO)

.( )

RCA

RCA

RCA

( ).

.( )

- 
1. Kannapiran
  2. Balassa
  3. Brasili

( )

$$\begin{matrix}
 ( ) & ( ) & ( ) & \text{RCA} & ( ) \\
 ( ) & & ( ) & ( ) & \\
 & & & ( ) &
 \end{matrix}$$

:( )

$$RCA_m = \frac{\sum_{j=1}^n X_{ijt} \div \sum_{T=1}^n X_{jTt}}{\sum_{j=1}^n X_{iht} \div \sum_{j=1}^n X_{Tht}} = \frac{X_{it} \div X_{jT}}{X_{ih} \div X_{Th}} \quad ( )$$

$$\begin{matrix}
 i & & X_{ih} & j & & X_{Tj} & j & & i & & X_{ij} \\
 & j & t & i & & X_i & & X_T & & & X_{Th} \\
 & & & & & & h & ( ) & m & & n
 \end{matrix}$$

j (RCA)

- 
- 1. Aquino
  - 2. Unido
  - 3. Crafts and Tomas
  - 4. Van Hulst and etal
  - 5. Lim



-

:

$$X_t^s = APE_{it}^{a_1} \cdot PD_{it}^{a_2} \cdot DP_{it}^{a_3} \cdot GNP_{it}^{a_4} \cdot ER_{it}^{a_5} \quad ( )$$

$$\begin{matrix} PD_i & PE_i & X_t^s \\ ER & DP_i & GNP \end{matrix} \cdot \begin{matrix} a > 0 & a > 0 & a < 0 & a > 0 & a < 0 \end{matrix}$$

$$X_t^s = A + a_1PE_{it} + a_2PD_{it} + a_3DP_{it} + a_4GNP_{it} + a_5ER_{it} \quad ( )$$

$$a \quad ( )$$

a

$$: \quad ( )$$

$$\ln E_t = b_0 + b \quad ( )$$

$$b \quad b_0 \quad t \quad E_t$$

$$: \quad ( )$$

$$I^* = \sum \frac{(\ln E_t^N - \ln E_t^o)^2}{n} \quad ( )$$

$$\ln E_t^o \quad \ln E_t^N \quad I^*$$

n

I\*

...

.( )  
(RCA)

RSCA RCA

RSCA RCA

RCA

/ RCA  
/

/ RCA

RCA

RCA

RCA

( / / ) ( / / )  
( / / ) ( / / )

RCA

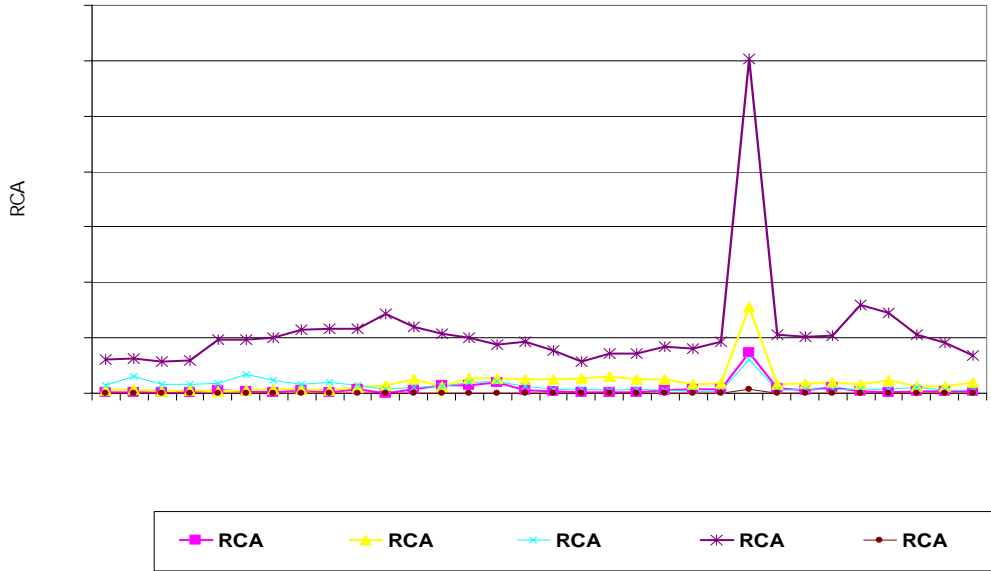
RCA

RCA



...

### RCA



### RSCA

+

$$\begin{aligned} & \left( \frac{RSCA}{RSCA} \right) + \left( \frac{RSCA}{RSCA} \right) \\ & \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \\ & \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \left( \frac{RSCA}{RSCA} \right) \end{aligned}$$



...

**RCA**

RCA

RCA

RCA

RCA

)

( / )

( / )

(

RCA  
RCA

RCA

RCA

RCA

RCA

**RCA**

/

( / )

/

/

( / ) ( / )

/

/

/

( / ) ( / ) ( / )

/

/

/

/

( / ) ( / ) ( / ) ( / )

/

/

/

/

/

( / ) ( / ) ( / ) ( / ) ( / )

\*

:



...

	$H_0$	$\beta$	
(ADF)	-		.
( )			.
	/	/	D(lnX)
	/	/	D(lnPD)
	/	/	D(lnPE)
	/	/	lnGNP
	/	/	D(lnER)
	/	/	lnDP

:

$H_0$   $\beta$

)

(

$H_0$

Tau	Tau	Rho	Rho
/	/	/	/
/	/	/	/
/	/	/	/

( )  
Rho Tau

SPSS

/  $R^2$

$R^2$

...

t		t		
/	**	/	/	
/		/	/	$a_1$
/		/	/	$a_2$
/	**	/	/	$a_3$
/		/	/	$a_4$
/	*	/	/	$a_5$
/		/		$R^2$
/		/		$\bar{R}^2$
/		/		$F$
/		/		$DW$

:

\*

\*\*

:

$$\ln E = \frac{12}{88} + \frac{11}{71} \ln t \quad ( )$$

(2/262)    (1/447)

$t$

$E$

/

/

/





- Hellener, G. K. (1990), "Trade Strategy in Medium-Term Adjustment", *World Development*, Vol. 18, pp. 897-979.
- Hook, J. P. (1992), "The Comparative Advantage of Agricultural Economics", *American Journal of Agricultural Economics*, pp. 1059-1065.
- Itty, P. (1996), "Profitability, Efficiency and Comparative Advantage of African Cattle Meat and Milk Production: The Case of Try Panotolerant Village Cattle Production", *Agricultural Economics*, Vol. 14, No. 1, pp. 33-44.
- Kannapiran, C. A. and E. M. Fleming (1999), "Comparativeness and Comparative Advantage of Tree Crop Smallholdings in Papua New Guinea", *Agricultural and Resource Economics*, Vol. 5, No. 2, pp. 67-75.
- Leamer, E. (1993), "Factor-Supply Differences as a Source of Comparative Advantage", *American Economic Review*, Vol. 83, No. 2.
- Lee, J. (1995), "Comparative Advantage in Manufacturing as a Determinant of Industrialization: The Korean Case", *World Development*, Vol. 23, pp. 1195-1214.
- Lim, K. t. (1997), "Analysis of North Korea's Foreign Trade by Revealed Comparative Advantage", *Journal of Economic Development*, Vol. 22, pp. 97-117.
- Unido (1986), "International Comparative Advantage in Manufacturing: Changing Profiles of Resource and Trade", Unido Publication, Sales No. E86LIB9, Vienna, United Nation, *Industrial Development Organization*.
- Van Hulst, N. R, Mulder and L. L. G. Soete (1991), "Exports Technology in Manufacturing Industry", *Weltwirtschaftliches Archiv*, Vol. 127, pp. 265- 280.