

A faint, dotted world map serves as the background for the slide.

Next Steps: Inter Country Validation

**June 27-29, 2017
ECLAC, Santiago de Chile, Chile**



International Comparison Program

Presentation Outline

- **Inter Country Validation**
- **Quaranta Tables**



Inter Country Validation



International Comparison Program

Inter Country Validation

- The data validation procedure has **two main steps**:
 - INTRA country validation
 - INTER country validation
- Countries and ECLAC participate in this procedure
- It is an **iterative process**
- The **main tools** for inter country data validation are the Quaranta Tables and the Dikhanov Tables
- The **purpose** of the both tables is to
 - Screen the national average prices for possible errors by comparing the average prices for the same product in different countries
 - Possible errors are highlighted by special indices

Quaranta Tables

Quaranta Tables

ICP-2011: QT

SURVEY: ICP 2011 CARIB22

Date: 10/12/2013

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1101111 Rice Av.Weight: 600 No.of It.: 14
 CPD (weights: 3; 1). XR,-PPP-In limits = 80%, 125%, Var.Coef. (%): 27,0

XR 'NC/BC'	PPP 'NC/CUP'	PLI (%) PPP/XR	Weight/ 100000	No. of Items	Var. Coef.	XR 'NC/BC'	PPP 'NC/CUP'	PLI (%) PPP/XR	Weight/ 100000	No. of Items	Var. Coef.		
AIA	,031435	,038195	121,5	309,8	8: *1	11,3	GRD	,031435	,028398	90,3	792,7	6: *3	20,3
ATG	,031435	,035987	114,5	281,3	2: *1	30,2	JAM	1,0000	1,0206	102,1	665,1	8: *4	25,1
ABW	,020840	,017029	81,7	177,4	5: *3	17,4	MSR	,031435	,029783	94,7	456,1	4: *4	15,4
BHS	,011642	,010790	92,7	161,3	5: *3	30,9	KNA	,031435	,039214	124,7	364,6	7: *2	24,4
BRB	,023285	,022716	97,6	347,3	5: *5	7,0	LCA	,031435	,024364	77,5	431,4	5: *1	24,4
BLZ	,023285	,020154	86,6	1311,5	4: *2	29,7	VCT	,031435	,031193	99,2	889,6	3: *2	9,0
BMU	,011642	,020461	175,7	53,5	5: *3	23,3	SXM	,020840	,019793	95,0	264,8	5: *5	30,0
BON	,011642	,013314	114,4	254,7	6: *6	23,1	SUR	,038048	,025004	65,7	3955,5	8: *6	20,9
CYM	,013971	,012261	87,8	127,5	6: *6	30,0	TTO	,074620	,058010	77,7	955,8	6: *5	17,8
CUW	,020840	,018651	89,5	283,6	5: *5	9,8	TCA	,011642	,014039	120,6	299,5	6: *2	59,5
DMA	,031435	,029826	94,9	500,8	8: *5	18,9	VGB	,011642	,017820	153,1	323,3	5: *2	24,1

Quaranta Tables

- Basic Heading Number
- Method of calculation: CPD
- Average weight for all the country weights
- Number of items in BH
- Coefficient of Variation: All the countries all the products

Quaranta Tables

- XR: Market exchange rates of the countries expressed as the number of units of national currency per unit of the numéraire currency (base country)
- PPP: Purchasing power parities for the basic heading calculated and expressed as the number of units of national currency per unit of the selected numéraire currency. This numeraire currency is the average for the region for presentation purposes
- The prices used to calculate the PPPs are the average prices in national currencies that countries report for the products they priced for the basic heading - that is, the NC-Prices
- PLI: Price Level Indices. The PPPs expressed as a percentage of the corresponding exchange rate. The base is the regional average.

Quaranta Table

- Nominal expenditure shares: The weight of each basic heading or component in total GDP
- Number of items (number of items collected, number of items collected that are important)
- Var Coef: Is the variation coefficient of the observations collected in one country for a specific product

Quaranta Tables

1 110111101.LAC - Long grain rice - parboiled (ref.Q = 1 unit)

T/R=[21: *21]

Var.Co.: 16,7

	NC - price *	Qts.	Var.Co.	Wn	XR-pr.	XR-In	Wn	CUP-price	CUP-In	Wn	Remarks
				GM =>	171,58		GM=>	170,41			
AIA	6,75 *	1	0,0		214,86	125	>	176,83	104		
ATG	5,20 *	1	0,0		165,44	96		144,52	85		
ABW	2,80 *	1	0,0		134,49	78	<	164,58	97		
BHS	2,42 *	1	0,0		208,04	121		224,48	132	>	
BRB	4,10 *	1	0,0		175,96	103		180,36	106		
BMU	4,61 *	1	0,0		395,91	231	>	225,28	132	>	
BON	1,74 *	1	0,0		149,55	87		130,77	77	<	
CYM	2,18 *	1	0,0		156,35	91		178,15	105		
CUW	3,35 *	1	0,0		160,96	94		179,85	106		
DMA	3,95 *	1	0,0		125,52	73	<	132,29	78	<	
GRD	4,37 *	1	0,0		139,17	81		154,05	90		
JAM	214,23 *	1	0,0		214,23	125		209,90	123		
MSR	5,40 *	1	0,0		171,75	100		181,27	106		
KNA	7,17 *	1	0,0		228,20	133	>	182,93	107		
LCA	4,22 *	1	0,0		134,40	78	<	173,40	102		
VCT	4,67 *	1	0,0		148,45	87		149,60	88		
SXM	3,24 *	1	0,0		155,64	91		163,88	96		
SUR	5,17 *	1	0,0		135,94	79	<	206,85	121		
TTO	9,23 *	1	0,0		123,67	72	<	159,08	93		
TCA	1,64 *	1	0,0		140,52	82		116,53	68	<	
VGB	3,48 *	1	0,0		299,25	174	>	195,51	115		

Quaranta Table

For each product:

- Code of the product
- Number of countries which have priced the product, and number of countries which consider this product important
- NC Price: Price in national currency
- Qts: Number of Price quotation for this item
- Var Co: Variation coefficient for a certain product within a certain country.
- Warning: This column show which observations should be checked
- XR-Price: The average prices in national currency converted to the numéraire currency with the exchange rates.
- XR-Ratio: Standardized price ratios based on the exchange rate converted prices. The XR-Prices expressed as a percentage of their geometric mean
- **CUP-Price**: The average prices in national currency converted to the numéraire currency with the PPPs
- **CUP-Ratio**: Standardized price ratios based on the PPP converted prices. The PPP-Prices expressed as a percentage of their geometric mean.



Thank You



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