



Workshop on Trade Policy and Trade Indicators

Module 2.7



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INTEGRATED EXERCISE

- The aim of this exercise is to apply three different indicators in one analysis, in order to produce a report
- Indicators to be calculated
 - Similarity index
 - Grubel-Lloyd index
 - Reveled comparative advantages



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Similarity index

- Reporter: United States
- Partner: all CARICOM members
- Flow: imports
- Year: 2015

$$SI = \sum_{k=1}^n \text{Min} \left[\frac{M_{US-i}^k}{TM_{US-i}}, \frac{M_{US-j}^k}{TM_{US-j}} \right]$$



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Grubel-Lloyd index

- Reporter: Jamaica
- Partner: selected countries
- Flow: exports and imports
- Year: 2015

$$GLI_{ij} = 1 - \frac{\sum |X_{ij}^k - M_{ij}^k|}{\sum (X_{ij}^k + M_{ij}^k)}$$



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Revealed comparative advantages

- Reporter: United States
- Partner: Jamaica, the world and selected countries
- Flow: imports
- Year: 2015

$$IRCA = \frac{M_{US-i}^k / TM_{US-i}}{MT_{US-w}^k / MT_{US-w}}$$



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