

## Total Trade CPC

**Author:** Alex Matrunich, Marco Garieri, Bo Werth, Christian Mongeau

### Description:

The trade module is divided in two submodules: **complete\_tf\_cpc** and **total\_trade\_CPC**. Each module is year specific. This means that, at the time being, the trade module run indipendently for each year. In order to run the **tt total\_trade\_CPC**, the output of **complete\_tf\_cpc** is needed.

This module aggregates total trade flow by reporting country for partners countries to a single total trade for each unique CPC commodity code. The module save the ouput into the dataset **total\_trade\_cpc\_m49**, within the **Trade** domain.

Change Log:

- add unit values using **flagMethod i**

### Import Data from Complete TF CPC

Import monetary values and quantities from data previously generated by **complete\_tf\_cpc** module.

1. 5608: Import Quantity (heads)
2. 5609: Import Quantity (1000 heads)
3. 5610: Import Quantity (tonne)
4. 5908: Export Quantity (heads)
5. 5909: Export Quantity (1000 heads)
6. 5910: Export Quantity (tonne)
7. 5622: Imports (US\$)
8. 5922: Exports (US\$)

### Aggregate values across partner dimension

- ignore missing values in aggregation
- aggregate observation flags using the **flagWeightTable**
- set **flagMethod** to **s** for \$US values and quantity measures calculated as sum

flagObservationStatus	flagObservationWeights
	1.00
T	0.80
E	0.75
I	0.50
M	0.00

### Calculate Unit Values

Calculate unit value (US\$ per quantity unit) at CPC level if the quantity is larger than zero

1. 5630: Import Unit Value (US\$ / tonne)
2. 5638: Import Unit Value (US\$ / heads)
3. 5639: Import Unit Value (US\$ / 1000 heads)
4. 5930: Export Unit Value (US\$ / tonne)
5. 5938: Export Unit Value (US\$ / heads)
6. 5939: Export Unit Value (US\$ / 1000 heads)

- use `flagObservationsStatus` from quantity measures
- set `flagMethod` to `i` for unit values calculated as identity