GENERAL TRACING

General tracing is designed to perform full market calculations for specific products based on product and brand (OPTIONAL).

Input Parameters
Mandatory: Category
Optional: Brand

Workflow
First The Received data is processed and filtered by the specified category (and brand).
All the Importers, Suppliers and Seller Tins are identified from the received data.

Next the declaration data is processed and prepared. According to the input timeframe we extract the quantity of the products imported and normalise them with the same logic as in Unit Measure Extraction for HDM and Invoice. This process should be done within the tracing process since it is dependent on the timeframe of a specific tracing instance.

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Next we process the prices from all data frames, we normalise them according to the extracted
unit of
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measure. This process is also dependent on the timeframe of a specific tracing instance and should be completed within the tracing process.

Based on the calculations made above we report general statistics of the product.

Final Report contains the following information.

- Data Distribution: What percentage of the data is categorized with soccer higher or equal to 0.8

- List of Importers

- List of Suppliers

- List of Sellers

- Transaction counts and unique ids for all three datasets

- Average Unit price for all three sources (import, supply, final sale)

- Weight for all three sources

- whole imported

- Whole supplied

- whole sold

- Price Margins for

- From DEC to HDM mean price marginal growth

- From DEC to INVOICE mean price marginal growth

- From INVOICE to HDM mean price marginal growth

Example of General Tracing

- Category - Rice

- Data Distribution

- Dec_percentage - 100.0,

- INV_percentage - 60.08222144731771,

- HDM_percentage - 100.0

- TransactionCount

- HDM - 66,

- Dec - 8,

- Inv - 772

- TransactionIDs

- "HDM": [14, 16, ….]

- "Dec": [172727710, 176617168, ….]

- "Inv": [A2907448090, A2993795450, ….]

- Importers - ["06921803","01847813", "01282006", …]

- Sellers - ["00492515", "00103587", "00099093", …]

- Suppliers - ["00471352", "01536316","00884093", …]

- UnitPrice

- HDM

  - Kg - 1106

  - Pcs - 860

- DEC

  - KG - 398

- INV

  - KG - 750

  - Pcs - 483

- Weight

- Whole_sold - 161393164 Gram

- Whole_imported - 5517634560 Gram

- Whole_supplied - 3486683811 Gram

- Price Margins

- Declaration to HDM

  - For KG - 177

- Declaration_to_Invoice

  - For Kg - 88

- Invoice_to_HDM

- For Kg - 45