|  |  |
| --- | --- |
| **Field** | **Description** |
| **Consumer ID** | Unique identifier for each customer. |
| **Order ID** | Unique identifier for each order. |
| **Month** | The month when the order was placed. |
| **Year** | The year when the order was placed. |
| **Total order value** | The total value of the order before any discounts are applied. |
| **Discount** | The amount of discount applied to the order. |
| **Line Value (net discount)** | The value of the order after the discount has been applied. |
| **Line Category** | The category of the product in the order. |
| **Line SKU** | Unique identifier for each product. |
| **Line SKU Production Cost** | The production cost of the product. |

Business Logic (does data make sense?):

Constrains based on data:

1. Total order value >= Discount
2. Line Value = Total order value – Discount
3. Line SKU Production Cost < Line Value (net discount)

Each constrain was checked using conditional formatting (business logic):

1)

A screenshot of a computer

Description automatically generated

**Output**:

No value violates the constraint.

2)

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Description automatically generated

**Output**:

No value violates the constraint.

3)

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Description automatically generated

Output:  
one value violates the constraint



Correctiness:

Steps:

1. Filter for the ‘FRA5’ Category

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Observation:

170 records have the category ‘FRA5’. All these records have a Line SKU Production Cost of 43.2 €.

1. Change the Line SKU Production Cost of the first record from 432,000 € to 43.2 €.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Change ID | Reason | Title of Change | Description | Process | Number of changed records | Change Time | Version Link |
| C1 | Data constraint violation | Fixing mistyping of Line SKU Production Cost Value | Change Line SKU Production Cost from 432,000 € to 43.2 €. |  | 1 | 12/3/2023  -  10:00 PM |  |
| C2 |  |  |  |  |  |  |  |
| C3 |  |  |  |  |  |  |  |
| C4 |  |  |  |  |  |  |  |
| C5 |  |  |  |  |  |  |  |
| C6 |  |  |  |  |  |  |  |
| C7 |  |  |  |  |  |  |  |
| C8 |  |  |  |  |  |  |  |
| C9 |  |  |  |  |  |  |  |