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INVENTORY

This Tableau Accelerator allows you to:

- **Assess the status of your inventory**
 - Stock status: stock-out, below safety stock, at stock, over stock
 - Inventory Value: Total Value, Excess-stock value, Missing-stock amount
 - Deep-dive to Warehouse level, Item Level
- **Assess availability of items**
 - Actual stock, Location
 - Forecasted stock, inflows, outflows
- **Reduce risks**
 - Identify items that are out of stock or below the safety stock threshold
 - Assess how much money is needed to replenish the inventory
 - Pinpoint over-stock items and reduce the risk of dead stock
- **Optimize your Stock Coverage**
 - Automation of the replenishment process
 - Buffer stocks

Monitor and improve KPIs

Inventory Value

- **Inventory Value:** Total value of items stored in inventory (expressed in currency)
- **Excess Stock Value:** Total value of items that exceed the Over-Stock threshold (defined for each position) (expressed in currency)
- **Excess Stock Value %:** Share of Inventory Value that is in Excess over the Total Inventory Value (expressed in %)
- **Missing-Stock Value:** Total amount needed to fill the missing stock at the safety-stock threshold (expressed in currency)
- **Outflow Value:** Total value of the items removed from the inventory during the period (expressed in currency)

Inventory Quantities

- **On-Hand Quantity (SKU):** Unit quantity available in stock
- **Inflow Quantity:** Unit quantity that was added to the inventory during the period
- **Outflow Quantity:** Unit quantity removed from the inventory during the period
- **Net Flow Quantity:** Total net evolution of the stock, in quantity, during the period
- **Safety-Stock Threshold Quantity:** Unit quantity under which the availability of an item is no longer secured
- **Over-Stock Threshold Quantity:** Unit quantity above which an item is considered Over-Stock
- **Number of days before Stock-Out:** Number of days left before the next expected Stock-Out of a Position or Item

Positions (Current Inventory)

- **Number of Positions:** Number of inventory item positions (a referenced item in a warehouse)
- **Number of Positions Over-Stock:** Total Number of positions that are Over-Stock in the last period
- **Over-Stock Positions %:** Share of positions that are Over-Stock in the last period (expressed in %)
- **Number of Positions At-Stock:** Total Number of positions that are At-stock in the last period
- **At-Stock Positions %:** Share of positions that are At-Stock in the last period (expressed in %)
- **Number of Positions Below-Safety-Stock:** Total Number of positions that are Below-Safety-Stock in the last period
- **Below-Safety-Stock Positions %:** Share of positions that are Below-Safety-Stock in the last period (expressed in %)
- **Number of Positions Out-of-Stock:** Total Number of positions that are Out-of-Stock in the last period
- **Out-of-Stock Positions %:** Share of positions that are Out-of-Stock in the last period (expressed in %)

Positions (Past Inventory: daily/monthly positions over the period)

- **Number of Positions (over the period):** Number of inventory item positions (a referenced item in a warehouse)

Answer key business questions

- What is the value of our inventory?
- Which items are stock-out? Below safety stock?
- What is the availability of this item? What is the forecast for the coming days?
- Which positions must be refilled? What would it cost?
- Which items are in excess stock?

Required attributes

- **Inventory Date** (*date*): Date of the Inventory
- **Warehouse** (*string*): Warehouse in which the item is stored
- **Warehouse Country** (*string; role: country*): Country of the Warehouse
- **Warehouse Latitude** (*Numeric; role: latitude*): Latitude of the Warehouse
- **Warehouse Longitude** (*Numeric; role: longitude*): Longitude of the Warehouse
- **Item Family** (*string*): Family / Business Unit of the Item
- **Item** (*string*): Item name
- **Unit of Measure** (*string*): Unit of measure of the Item
- **On-Hand Quantity** (*numeric*): Available quantity of the Item
- **Unit Inventory Value** (*numeric*): Unit value of the Item
- **Safety-Stock Threshold Quantity** (*numeric*): Limit below which the Item is under-stocked
- **Over-Stock Threshold Quantity** (*numeric*): Limit beyond which the Item is overstocked
- **Inflow Quantity** (*numeric*): Quantity of incoming flow
- **Outflow Quantity** (*numeric*): Quantity of outflow