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STOCK COVERAGE

This Tableau Accelerator allows you to **optimize the Stock Coverage** of the items you hold in your inventory (*based on recommendations suggested by an ABC-XYZ analysis*).

The ABC-XYZ analysis classifies your products and then recommends how to handle:

- **Degree of automation replenishment processes**
- **Buffer Stock**
- **Inventory Control**

Products are classified by:

- **Consumption Volume**
 - **A**: High consumption volume
 - **B**: Medium consumption volume
 - **C**: Low consumption volume
- **Consumption Volume Volatility**: *if past consumption is stable (= not volatile), we can make a reliable estimate of future demand*
 - **X**: Stable consumption / Linear demand
 - **Y**: Volatile consumption / Variable demand
 - **Z**: Very Volatile consumption / Unpredictable demand

Each combination (AX, BX, CY..) implies a suggested way to manage inventory:

- **Identify products at risk (rupture and overstock)**
- **Define the right stock / security stock coverage**
- **Optimize production/purchasing volumes**

Answer key business questions

- How are my products classified according to ABC/XYZ approach?
- What are the best inventory actions for my products?
- Which buffer stock to hedge against customer-induced variations?
- How many products do I have with a reliable forecast?
- Which products do I have with a high consumption value?

Required attributes

- **Date** (*date*): Date
- **Product** (*string*): Inventory item
- **Volume** (*numeric*): Sales / Demand / Consumption Volume (amount)