

SCM BI Analyst Test

Scenario

You have recently joined a food tech company, which does not have an established reporting infrastructure to analyze SCM data yet.

You are given the task to analyze historical data for insights and create visualizations so that multiple stakeholder groups can derive actions to optimize the business. The stakeholders are

1. Higher management such as the Procurement Director or COO
2. Operational Procurement teams

Tasks

With the data given below, prepare a short presentation that consists of two sections

1. The most relevant 2 to 3 insights you see within the data supported with visualizations and recommended actions based on your findings. Please provide 1 slide per insight.
2. Screenshots of dashboards that you created to follow up on metric development given that the data set would be continuously extended in the future. Please provide 1 slide per dashboard.

Keep in mind that the audience is a mix between higher and mid-level management, so try to tailor your presentation and dashboards to both participant groups.

Data Sources

Please find attached the dataset **BI_Analyst_SCM_test_visual_analysis.txt**

The data represents orders placed in a Procurement tool. Each record is an order Item, one purchase order can have one or more order items.

The SKU ID is unique within each country and each SKU is part of a “product” group.

The SKU IDs follow a pattern of **ABC-xx-xxxxx-x** where the first 3 characters denote the SKU category.

For example the PTN-10-31250-2 is part of the “PTN” category (Protein) Other categories included in the dataset: DAI (Dairy), PRO (processed food). All unit prices are in local currency.

A country can have one or more DCs (distribution centers) which, from Procurement perspective, represent the warehouses where the purchase orders are to be delivered.

Visual Analytics - Hints

Using the data from above, prepare the visualizations and dashboards with a tool of your choice. Preferably this would be Tableau as this is the tool used within our organization (there is the possibility of a 14-day trial). Feel free to choose a different option such as PowerBI, Qlik, Google Sheets,... if Tableau is not available.

Please only provide screenshots of the visualizations and dashboards, and **not** upload the workbook.

Examples for possible analysis topics:

Price analysis (price benchmarking, trends)

Supplier Analysis (top, market shares)

Savings opportunities

Product diversity