

CASE STUDY

OVERVIEW

Our client has hired us to develop a solution to their food & beverage facility's capacity issue. Perform an analysis of the data. Identify which SKUs that can be moved to free up space. Create a visual and quantitative representation of the data. Present your conclusions and findings from your analysis.

DATA

We have provided you with the following file:

Case Study Data for Candidates – 20201218 -v2.xlsx

This file contains sample data we receive from clients. Before making recommendations, we must analyze and understand the data they have provided us.

VARIABLES DESCRIPTIONS

- > **Item Number:** Unique identifying code for each item
- > **Item Description:** Item name and details
- > **Product Category:** The product categories are a flag to identify different types of items (meat, produce, dairy, etc.)
- > **Department:** Where the item is stored (Dry, cooler, freezer)
- > **Unit of Measure:** The units of the shipped and received quantities.
- > **Eaches per Case:** How many individual units of an item can you fit in a case.
- > **Case length, width, height:** The dimensions of a case for that item
- > **Average Weekly Order Lines:** How many lines of that item ship per week
- > **Average Weekly Quantity Shipped:** How much of that item ships per week.
- > **Average Weekly Purchase Order Lines:** How many lines of that item are received into the facility per week.
- > **Average Weekly Quantity Received:** How much of that item are received into the facility per week.
- > **Average Quantity On-Hand:** How much of that item are stored in the facility.

DELIVERABLES

Please take 45min – 1 hour to complete the case. At the end you will be asked to present:

- > Identify which SKUs can be moved to help free up capacity
- > Create a visual and quantitative representation of the data
- > Present your conclusions and findings from your analysis

RESPONSE

Please present your analysis and conclusions below:

