



MS2001 Business Data Management

Jan 2024 Term

Week 6 - Graded Assignment 6

This Assignment uses the same dataset as the previous assignment.

An E-Commerce Platform - has one of its **Mother Distribution Centers** (DC) set up in **Mumbai** which coordinates with its **Three Child DCs: 1. Pune, 2. Aurangabad, 3. Nashik.**

For this assignment, we are considering 10 categories; 5 products each leading up to 50 products.

There are 4 data sheets in the Excel File provided to you.

SKU Master: It contains information of BU, SKU, Brand, Model and Average Price

Sales Data: It contains information on Date, SKU, City and Volume

OPN STK: Stock that is available as on 01-01-2023

Stock Transfer: Contains information on incoming stocks to Pune, Aurangabad and Nasik from Mumbai from 01-01-2023 – 30-01-2023.

Note: If the opening stock is negative, it means that there is an order backlog. There is no issue in that. Please reset the day's inventory to zero if the opening stock is negative by using MAX (0, Opening stock) function in the ledger. This is reset the opening to stock to zero in case of negative values.

Questions:

1. Enter the Dataset number you received for GA 5. **(INTEGER)**

Eg.: If you got dataset **5_1234**, just enter **1234**

2. What is the no. of units of household category SKUs are in stock at the end of 15th Jan 2023 in Aurangabad DC? **(INTEGER)**

3. Based on the sales and stock data of Jan 2023, how many average days of inventory of SKU M003 are available in Pune? **(INTEGER – rounded down)**

4. Which SKU has the highest average days of inventory in Aurangabad? **(STRING)**

5. How many SKUs hold at least one weeks' worth of inventory on average in Pune? **(INTEGER)**



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**6. What is the closing stock of M002 at the end of the first week in Nasik?
(INTEGER)**

SAMPLE ANSWER:

Q1	1234
Q2	1234
Q3	2
Q4	S001
Q5	12
Q6	123