



MINT CLASSICS

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WARE HOUSE REPORT

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About



OBJECTIVE

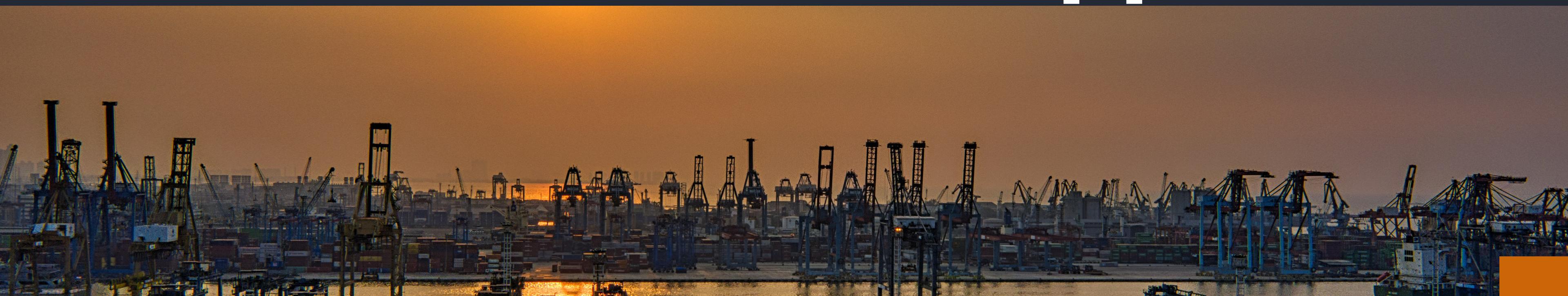
MINT CLASSICS COMPANY, A RETAILER OF CLASSIC MODEL CARS AND OTHER VEHICLES, IS LOOKING AT CLOSING ONE OF THEIR STORAGE FACILITIES AND ARE OPTING FOR A DATA-BASED BUSINESS DECISION FOR SUGGESTIONS AND RECOMMENDATIONS FOR REORGANIZING OR REDUCING INVENTORY, WHILE STILL MAINTAINING TIMELY SERVICE TO THEIR CUSTOMERS.

DATA BEING PROVIDED CONTAIN SET OF TABLES THAT INCLUDE WAREHOUSE, PRODUCTS, PRODUCTLINES, ORDERS, ORDERDETAILS, CUSTOMERS, EMPLOYEES.





Approach



- **CUSTOMER DEMAND :** ANALYZING THE SALES AND ORDERS FROM THE CUSTOMERS ACCORDING TO THE PRODUCT LINE AND WARE HOUSES.
- **CAPACITY AND SPACE AVAILABILITY :** COMPARING THE SPACE AVAILABILITY AND THE INHOUSE STOCK FOR EACH WARE HOUSE AND LOOK FOR CHANCE OF REDISTRIBUTION.



Ware Houses



WAREHOUSE NAME	WAREHOUSE CODE
NORTH	a
EAST	b
WEST	c
SOUTH	d



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Product CATEGORY

PRODUCT LINE	WARE HOUSE
MOTOR CYCLE	A
PLANES	A
CLASSIC CARS	B
VINTAGE CARS	C
TRUCKS AND BUSES	D
SHIPS	D
TRAINS	D



MOTOR CYCLES



PLANES



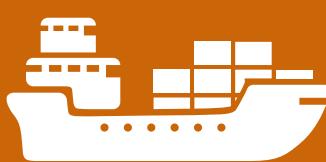
VINTAGE CARS



CLASSIC CARS



TRUCKS AND BUSES



SHIPS

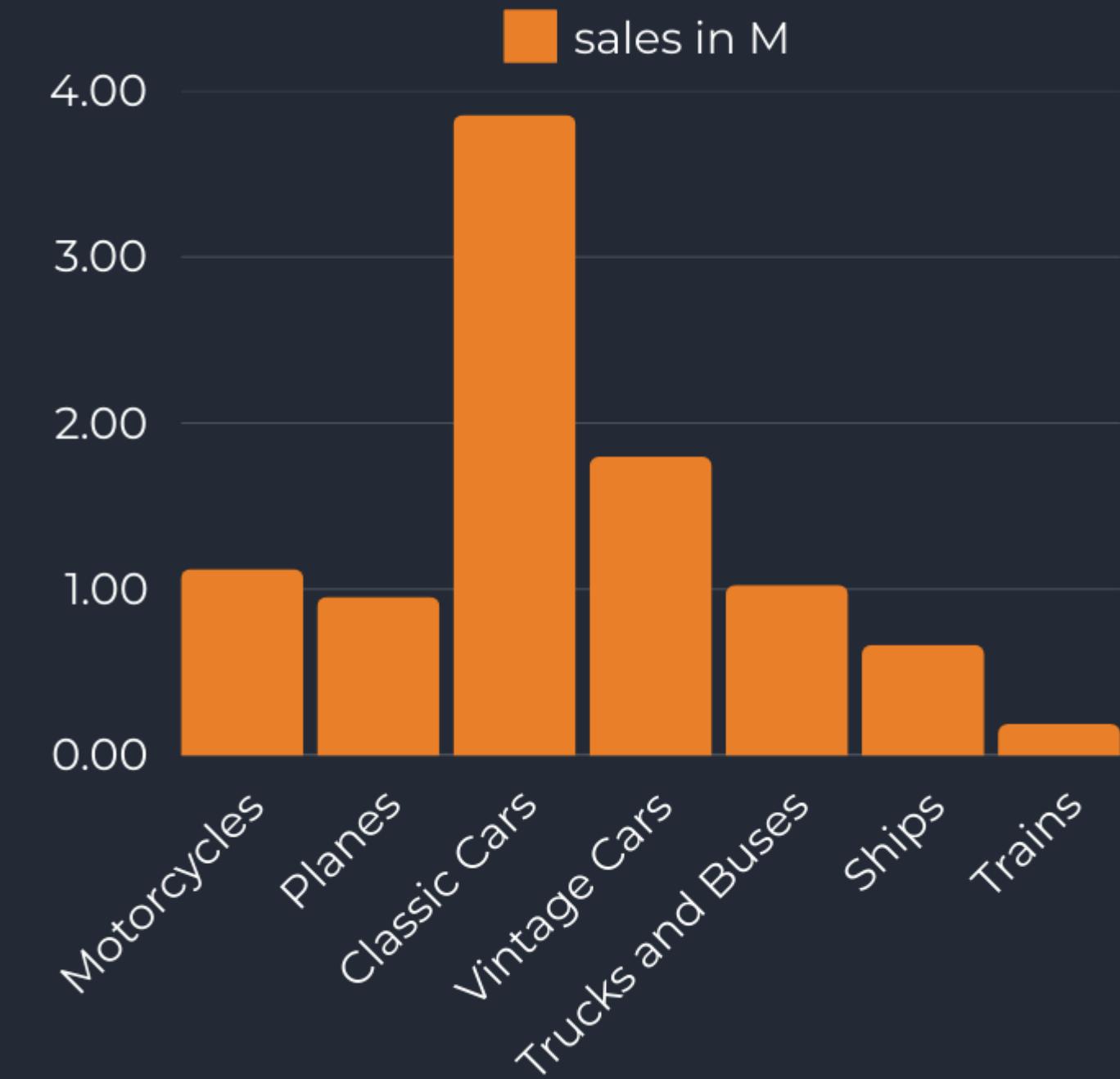


TRAINS



SALES

- Ordering the total sales according to the each product line shows that the CLASSIC CARS (40.12%) has large sales compared to rest of the categories.
- Out of all, TRUCKS and BUSES (10.66%), SHIPS (6.91%) and TRAINS (1.96%) has very low sales.
- From this it is clear that customers are less likely interested in TRUCKS and BUSES, SHIPS, and TRAINS and all these 3 belongs to the warehouse SOUTH (d) and therefore any changes with this warehouse would not much impact the sales.





ORDERS



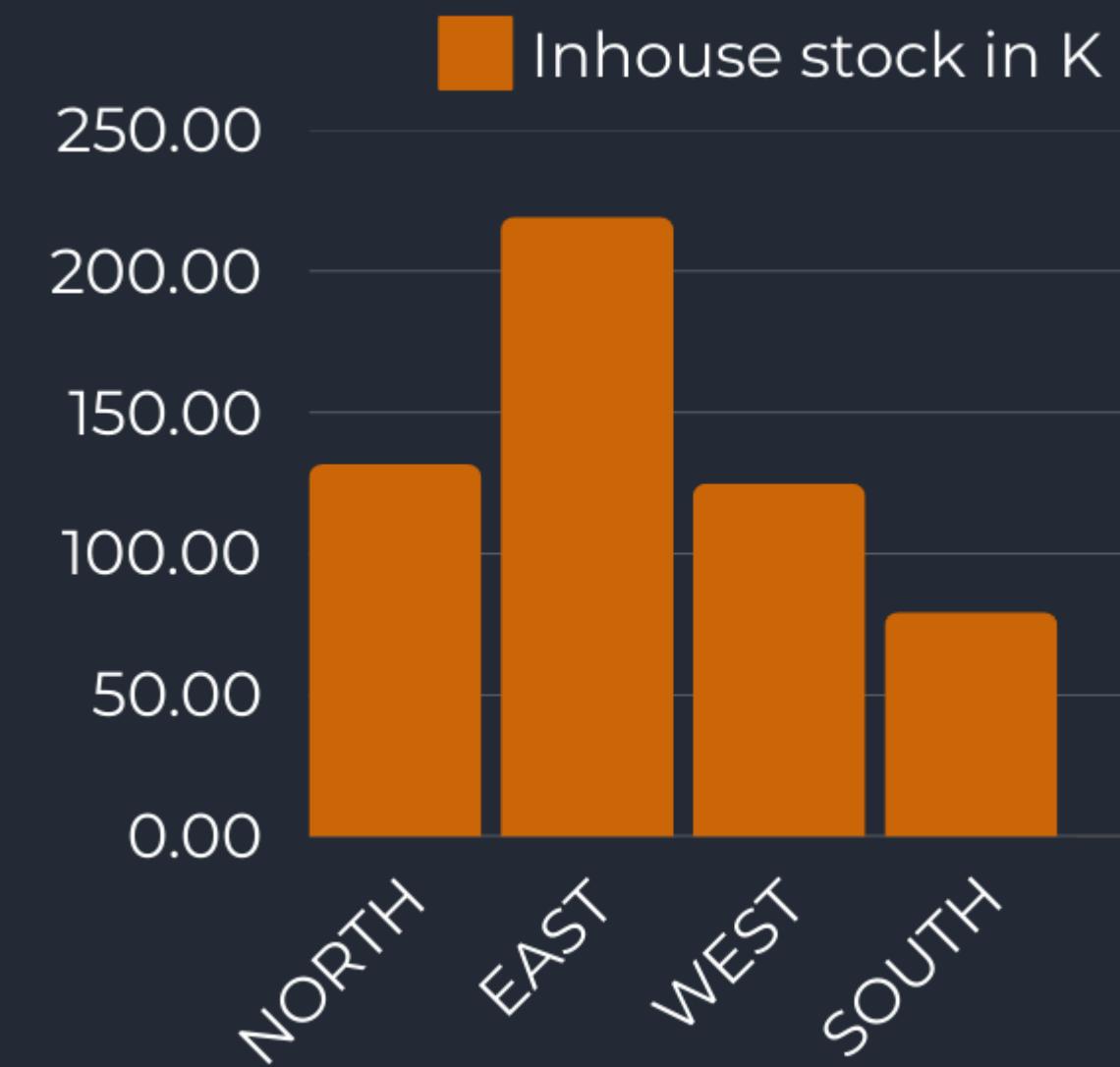
- Most ordered quantity was CLASSIC CARS(33.72%) which is why the sales are also very high.
- Less ordered category are TRUCKS and BUSES (10.42%), SHIPS (8.08%) and TRAINS (2.67%).
- Aggregating the product lines from warehouse SOUTH, the orders in total is of 22.27% while other warehouses are as NORTH (23.36%) with motor cycles and planes, EAST (33.72%) with classic cars and WEST (21.73%) with vintage cars.



Inhouse stock and Space Availability



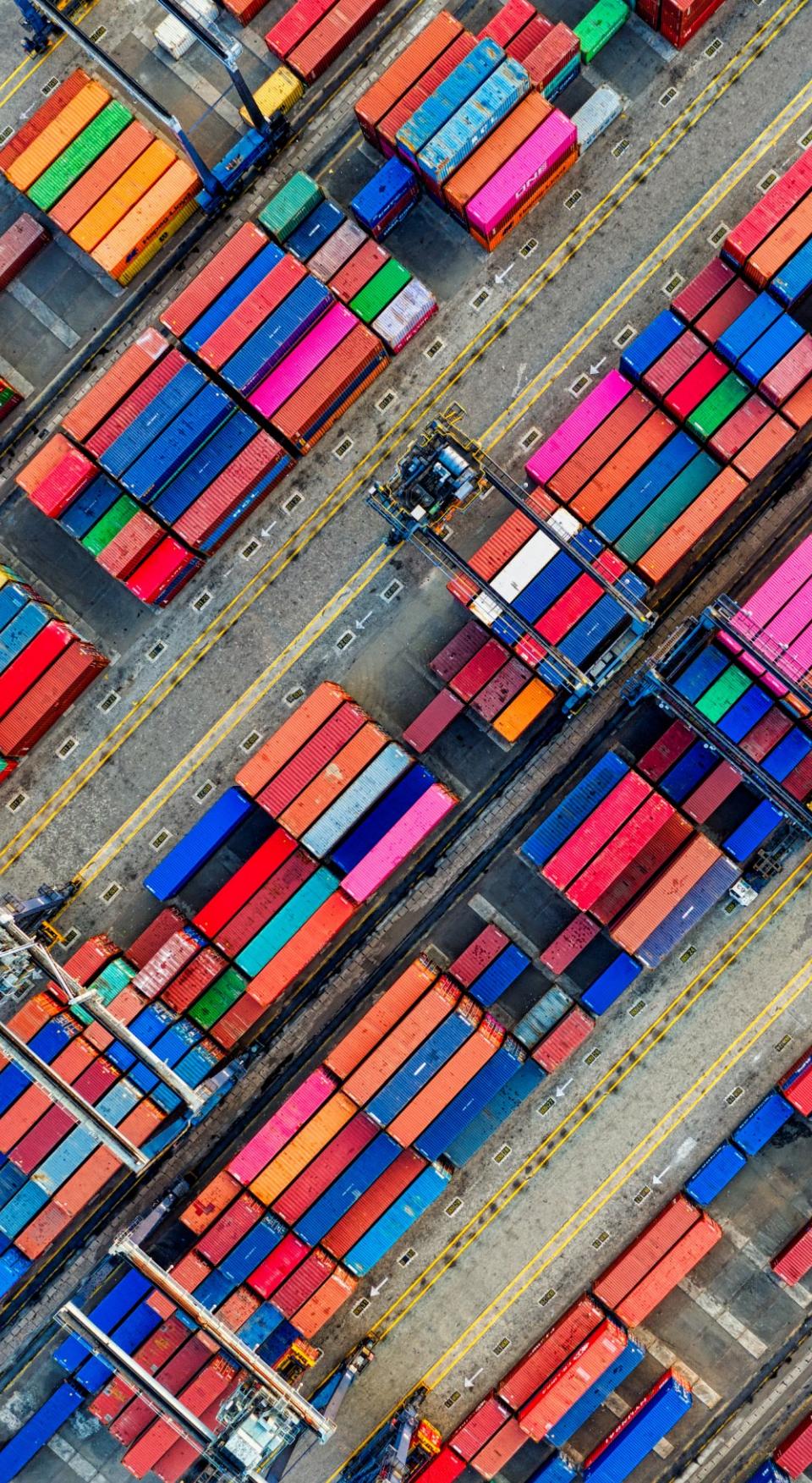
- Warehouse SOUTH has 79k quantity stocks inhouse and that takes an approximately of 75% space, meaning that its overall capacity is also less.
- Warehouse WEST(c) has 50% space available while Warehouse NORTH(a) & Warehouse EAST have a combined 61% space available. This is enough space to hold Warehouse South's total stock which requires 75% of warehouse space.





CONCLUSION

- A deep analysis on customers demands like order quantity and sales analysis shows that the product lines from SOUTH warehouse are least opted by the customers. so closure of this warehouse among the 4 would be most relevant which reduces the maintenance and additional storage costs.
- Consider the redistribution of the stocks from the SOUTH warehouse to the remaining warehouses for maintaining the uninterrupted and timely services for customers.
- Reorganizing the 3 product lines from SOUTH warehouse to 3 different warehouses would be better choice rather than into a single warehouse.





Scope of further investigation

1. Stock movement analysis
2. Stock performance analysis
3. profit/loss analysis from each product
4. Customers recommendation.



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Thank You

for the time
and consideration