Mint Classic Project

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Problems and Analytical Goals

- Where are items stored and if they were rearranged, could a warehouse be eliminated?

- How are inventory numbers related to sales figures? Do the inventory counts seem appropriate for each item?

- Are we storing items that are not moving? Are any items candidates for being dropped from the product line?

Storage of each warehouse

warehouseCode	warehouseName	total_in_stock
b	East	219183
a	North	131688
c	West	124880
d	South	79380

- The South warehouse had the **lowest** stock among all the warehouses.
- The East warehouse had the **highest** stock out of all the warehouses.

Total orders of each warehouse

warehouseCode	warehouseName	total_orders
b	East	1010
a	North	695
c	West	657
d	South	634

- The South warehouse had the **least** sales among all the warehouses.
- The East warehouse had the **most** sales out of all the warehouses.

How efficiently each storage facility is managing its inventory (Utilization Rate).

warehouseName	warehousePctCap	total_quantity	utilization_rate_pct
East	67	219183	32.71
West	50	124880	24.98
North	72	131688	18.29
South	75	79380	10.58

- South warehouse has the **lowest** utilization rate, which means that this warehouse is not used efficiently.

Top 5 products with the highest sales figures

productCode	productName	total_quantity	total_orders	sales_rate
S24_2000	1960 BSA Gold Star DBD34	15	1015	98.54
S12_1099	1968 Ford Mustang	68	909	93.04
S32_4289	1928 Ford Phaeton Deluxe	136	846	86.15
S32_1374	1997 BMW F650 ST	178	920	83.79
S72_3212	Pont Yacht	414	770	65.03

Top 5 products with the lowest sales figures

productCode	productName	total_quantity	total_orders	sales_rate
S18_3233	1985 Toyota Supra	7733	NULL	NULL
S18_1984	1995 Honda Civic	9772	836	7.88
S700_2466	America West Airlines B757-200	9653	829	7.91
S18_1589	1965 Aston Martin DB5	9042	782	7.96
S24_3432	2002 Chevy Corvette	9446	825	8.03

Conclusion

1. Shot down warehouse d (South), because it has the lowest stock (79,380), minimal sales (634), and the lowest utilization rate (10.58%).
   a. The remaining stocks can be evenly rearranged to warehouse a (North) and c (West).
2. The product "1985 Toyota Supra" can be dropped since Mint has 7,733 in stock and they have been no sales for this iem.

Thank You!