

# INVENTORY ANALYSIS

product\_id



Multiple selections



store\_region\_id



Multiple selections

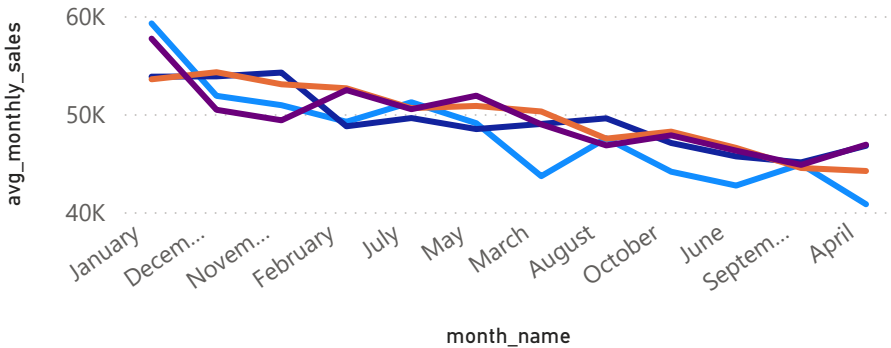


## Stock adjustments to reduce holding cost`

store_region_id	product_id	Sum of stock_adjustment	Sum of holding_cost	recommendation
S001_East	P0067	-16.37	7,911.84	OPTIMIZE: Fast-seller well-stocked. Fine-tune to 126 units for ef
S001_East	P0129	-14.28	7,594.34	OPTIMIZE: Fast-seller well-stocked. Fine-tune to 126 units for ef
Total		-1,391.78	6,54,410.67	

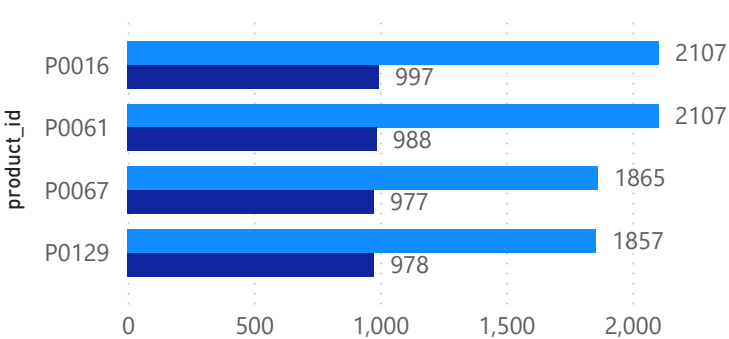
## Monthly\_demand

store\_region\_id S001\_South S002\_South S004\_South S005\_West



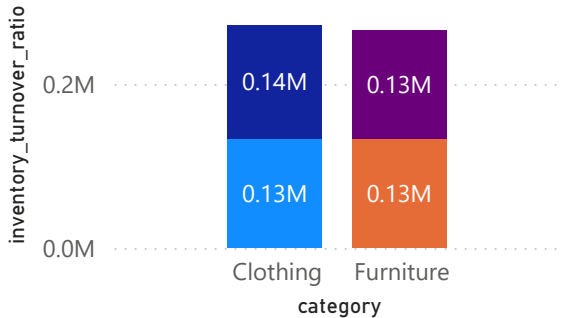
## Reorder Point Estimation based on product\_id

Sum of avg\_sales Sum of reorder\_point



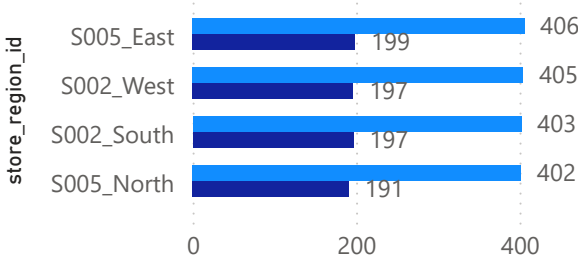
## Inventory Turnover Analysis

product\_id P0016 P0061 P0067 P0129



## Reorder Point Estimation based on store\_id

Sum of avg\_sales Sum of reorder\_point



## Low Inventory Detection based on reorder point

product_id	inventory_status
P0016	Low Inventory
P0016	Sufficient
P0061	Low Inventory
P0061	Sufficient
P0067	Low Inventory
P0067	Sufficient
Total	

## Low Inventory Detection based on reorder point

store_region_id	inventory_status	Sum of inventory_level
S001_East	Low Inventory	75
S001_South	Low Inventory	47
S001_West	Low Inventory	39
Total		534436

## Stock Level Calculations

product_id	S001_East	S001_North	S001_South	S001_West
P0016	8405	9227	8184	10052
P0061	8776	9707	9978	8203
P0067	9236	8203	7995	9685
P0129	9140	8069	8830	8186
Total		35557	35206	34987

## Fast-Selling vs Slow-Moving Products

store_region_id	product_id	movement_type	Sum of under
S002_North	P0129	Fast-moving	
S005_East	P0129	Fast-moving	
S004_South	P0061	Fast-moving	
S003_West	P0016	Fast-moving	
S005_East	P0016	Fast-moving	
S004_East	P0016	Fast-moving	
S004_North	P0067	Fast-moving	
S001_South	P0061	Fast-moving	
S004_East	P0061	Fast-moving	
S001_East	P0067	Fast-moving	
S002_East	P0067	Fast-moving	
S004_East	P0129	Fast-moving	
S005_South	P0016	Fast-moving	

Total