



Executive Overview

region
Midwest

South

West

store_name
Store-001

Store-002

Store-003

sku_name
SKU-0001

SKU-0002

SKU-0003

category
Beverages

Dairy

Household

scenario_name
Shock_+10%

Shock_+25%

Shock_+40%

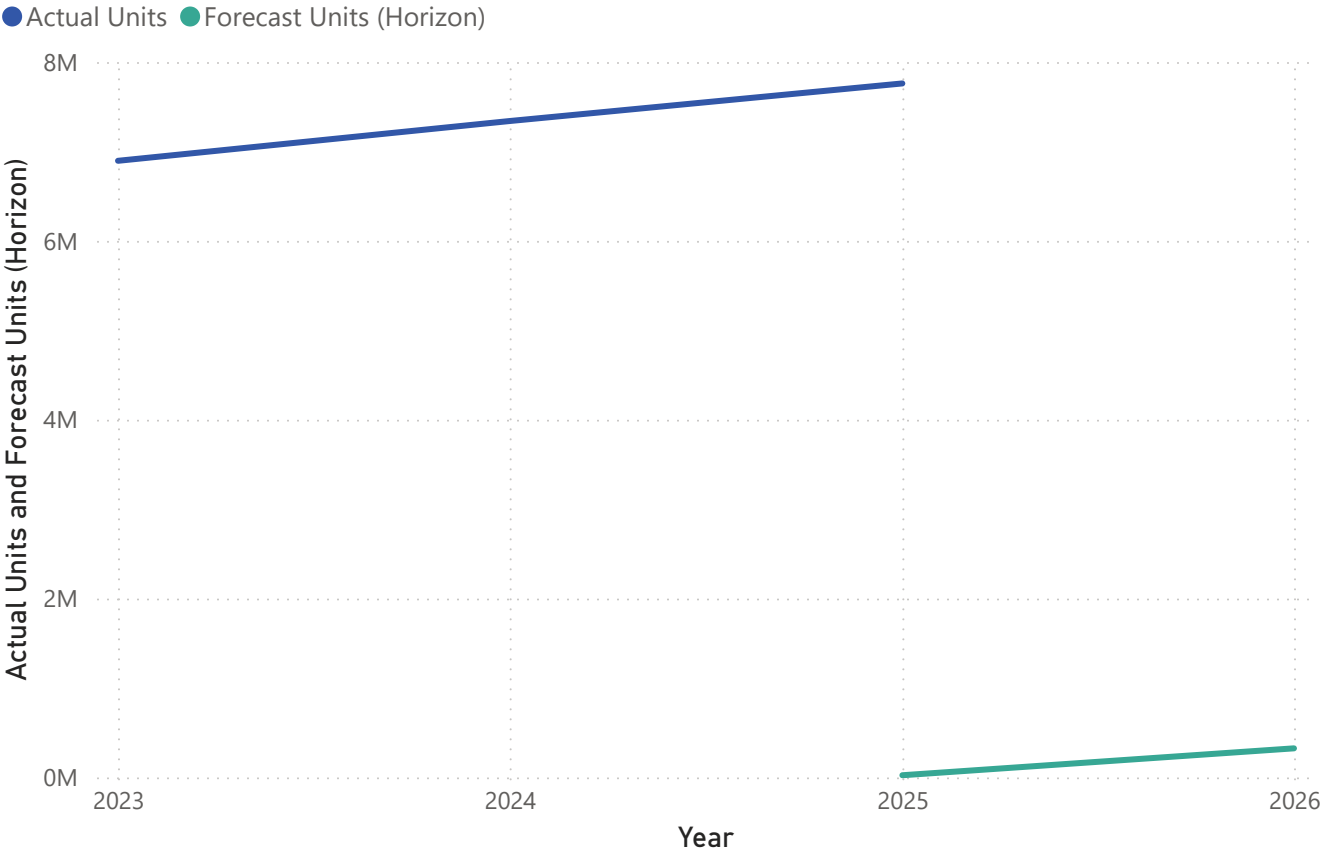
272.49M
Actual Revenue

4.35M
Forecast Revenue (Horizon)

39
Shock Events

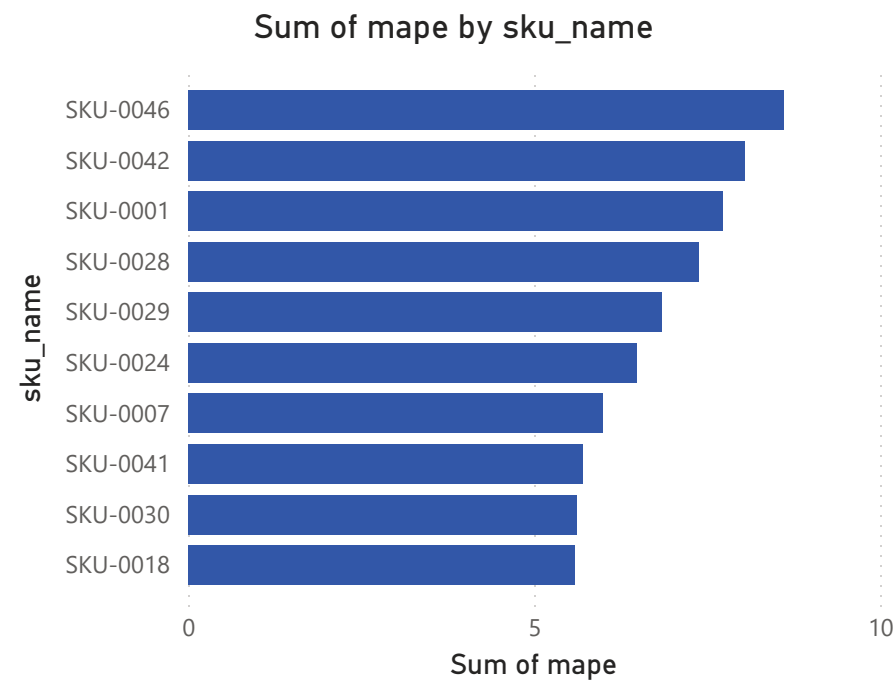
3.65M
Sum of net_impact_usd

Actual Units and Forecast Units (Horizon) by Year



Forecast Quality & Drift

sku_name	Sum of mape	Sum of rmse	Sum of bias	Sum of drift_flag
SKU-0001	7.73	39.80	7.86	0
SKU-0002	4.19	222.47	23.06	0
SKU-0003	3.79	286.96	-2.08	0
SKU-0004	3.88	540.74	-5.19	0
SKU-0005	4.45	112.66	1.08	0
SKU-0006	3.75	305.58	-110.10	0
SKU-0007	6.00	36.65	-7.27	0
SKU-0008	5.09	281.57	61.14	0
SKU-0009	4.16	184.11	9.39	0
SKU-0010	3.44	104.68	-23.65	0
SKU-0011	5.14	387.40	74.46	0
SKU-0012	4.21	472.69	-54.05	0
SKU-0013	4.31	238.92	-13.73	0
SKU-0014	4.52	343.55	-2.13	0
SKU-0015	3.57	357.46	-7.41	0
Total	230.24	12,141.50	-194.26	0



Shock Radar

shock_type

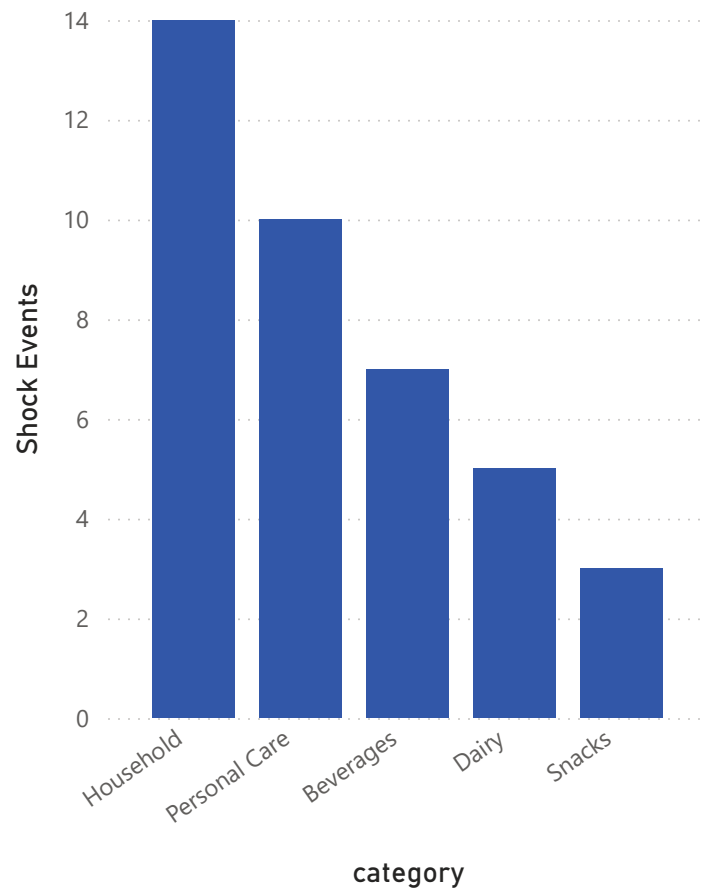
drop

spike

39

Shock Events

Shock Events by category



Year	Quarter	Month	Day	sku_name	store_name	shock_type	Sum of zscore	Sum of residual
2025	Qtr 4	December	27	SKU-0045	Store-008	spike	6.53	384.57
2025	Qtr 4	December	30	SKU-0019	Store-004	spike	5.70	64.16
2025	Qtr 4	December	28	SKU-0033	Store-005	spike	5.69	99.69
2025	Qtr 4	December	28	SKU-0011	Store-007	spike	5.36	223.17
2025	Qtr 4	December	29	SKU-0029	Store-003	spike	5.14	17.96
2025	Qtr 4	December	29	SKU-0008	Store-006	spike	4.79	75.69
2025	Qtr 4	December	28	SKU-0002	Store-006	spike	4.64	97.16
2025	Qtr 4	December	30	SKU-0039	Store-002	spike	4.46	19.28
2025	Qtr 4	December	29	SKU-0042	Store-003	spike	4.39	15.58
2025	Qtr 4	December	28	SKU-0034	Store-002	spike	4.31	118.33
2025	Qtr 4	December	28	SKU-0016	Store-006	spike	4.22	118.57
2025	Qtr 4	December	29	SKU-0027	Store-001	spike	4.15	0.94
2025	Qtr 4	December	28	SKU-0036	Store-008	spike	4.15	260.35
2025	Qtr 4	December	27	SKU-0035	Store-008	spike	4.03	43.15
2025	Qtr 4	December	28	SKU-0019	Store-003	spike	4.00	26.52
2025	Qtr 4	December	29	SKU-0031	Store-006	spike	4.00	89.53
2025	Qtr 4	December	27	SKU-0027	Store-007	spike	3.93	0.80
2025	Qtr 4	December	29	SKU-0049	Store-008	spike	3.90	125.86
2025	Qtr 4	December	29	SKU-0027	Store-003	spike	3.87	1.00
2025	Qtr 4	December	27	SKU-0031	Store-002	spike	3.80	114.20
2025	Qtr 4	December	30	SKU-0006	Store-003	spike	3.75	170.60
Total							125.10	2,603.70

Scenario Stress Test

3M

Sum of lost_sales_usd

385.72K

Sum of overstock_cost_usd

3.65M

Sum of net_impact_usd

Scenario Name	region	Beverages	Dairy	Household	Personal Care	Snacks	Total
Shock_+10%	Midwest	105,143.30	140,048.66	303,398.89	250,703.70	83,281.44	882,575.99
	South	218,939.55	205,827.74	112,178.81	216,232.49	57,886.83	811,065.43
	West	439,181.15	366,065.17	579,788.96	385,065.41	182,195.37	1,952,296.06
	Total	763,264.00	711,941.58	995,366.66	852,001.60	323,363.64	3,645,937.48
Shock_+25%	Midwest	105,143.30	140,048.66	303,398.89	250,703.70	83,281.44	882,575.99
	South	218,939.55	205,827.74	112,178.81	216,232.49	57,886.83	811,065.43
	West	439,181.15	366,065.17	579,788.96	385,065.41	182,195.37	1,952,296.06
	Total	763,264.00	711,941.58	995,366.66	852,001.60	323,363.64	3,645,937.48
Shock_+40%	Midwest	105,143.30	140,048.66	303,398.89	250,703.70	83,281.44	882,575.99
	South	218,939.55	205,827.74	112,178.81	216,232.49	57,886.83	811,065.43
	West	439,181.15	366,065.17	579,788.96	385,065.41	182,195.37	1,952,296.06
	Total	763,264.00	711,941.58	995,366.66	852,001.60	323,363.64	3,645,937.48

