Stock Prediction Report

Target Month: undefined (undefined)

AI Insight:

Consider increasing stock by 30-50% for 48 high-demand products.

Summary

Metric	Value
Total Products	
High Stock Required	48
MAE	44.54
RMSE	54.2
R² Score	0.8

Product-wise Predictions

Product ID	Category	Last Month Sales	Predicted Sales
1	Coffee beans	10	19.40
2	Coffee beans	5	19.56
3	Coffee beans	4	19.30
4	Coffee beans	8	18.90
5	Coffee beans	8	18.96
6	Coffee beans	2	18.94
7	Coffee beans	2	18.89
8	Coffee beans	5	18.73
9	Coffee beans	2	17.80
10	Coffee beans	3	16.89
11	Loose Tea	5	16.62
12	Loose Tea	3	16.45
13	Loose Tea	3	16.27
14	Loose Tea	4	15.94
15	Loose Tea	3	15.88
16	Loose Tea	7	15.77
17	Loose Tea	11	15.04
18	Loose Tea	5	14.04
19	Packaged Chocolate	2	14.05
20	Packaged Chocolate	14	24.35
21	Packaged Chocolate	7	18.14
22	Coffee	89	161.14
23	Coffee	127	169.99
24	Coffee	76	155.45
25	Coffee	107	159.72
26	Coffee	85	159.75
27	Coffee	86	158.28
28	Coffee	85	153.21
29	Coffee	92	158.29
30	Coffee	97	151.93
31	Coffee	118	160.26
32	Coffee	114	160.04
33	Coffee	88	157.75
34	Coffee	84	158.90
35	Coffee	115	162.65

Product ID	Category	Last Month Sales	Predicted Sales
36	Coffee	114	161.41
37	Coffee	112	158.85
38	Coffee	134	166.47
39	Coffee	112	160.08
40	Coffee	100	158.13
41	Coffee	74	159.67
42	Tea	106	159.95
43	Tea	120	162.55
44	Tea	109	161.11
45	Tea	113	161.48
46	Tea	100	161.80
47	Tea	108	164.07
48	Tea	113	164.46
49	Tea	124	161.22
50	Tea	109	174.72
51	Tea	85	161.74
52	Tea	82	163.41
53	Tea	125	161.97
54	Tea	93	160.91
55	Tea	73	158.20
56	Tea	95	161.83
57	Tea	135	168.19
58	Drinking Chocolate	96	160.87
59	Drinking Chocolate	59	164.45
60	Drinking Chocolate	114	164.98
61	Drinking Chocolate	138	158.28
63	Flavours	97	169.93
64	Flavours	96	147.56
65	Flavours	180	191.13
69	Bakery	74	168.45
70	Bakery	62	168.69
71	Bakery	134	175.53
72	Bakery	33	80.79
73	Bakery	30	80.55
74	Bakery	46	125.15
75	Bakery	29	116.49

Product ID	Category	Last Month Sales	Predicted Sales
76	Bakery	29	120.70
77	Bakery	42	118.80
78	Bakery	62	168.69
79	Bakery	27	78.66
81	Branded	10	66.28
82	Branded	9	67.87
83	Branded	16	70.01
84	Flavours	126	174.32
87	Coffee	14	77.65

Product ID	Category	Last Month Sales	Predicted Sales
76	Bakery	29	120.70
77	Bakery	42	118.80
78	Bakery	62	168.69
79	Bakery	27	78.66