

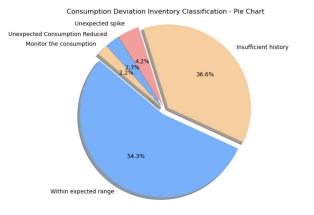
Action Recommendation for diluting stocks

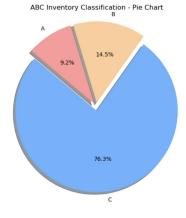
Don't Act 5099

Low Priority: Move the stock or send back to Vendor 236

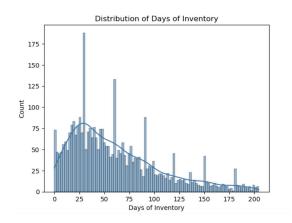
High Priority: Move the stock or send back to Vendor 1

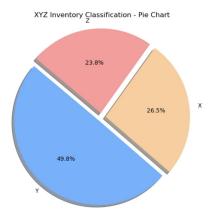
Name: count, dtype: int64





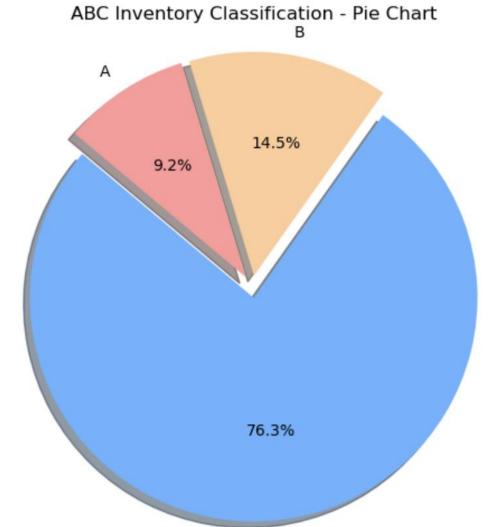
Action Recommendation predicting stockouts	
Don't Act	5112
Spike in consumption for moderate demand stocks	158
Spike in consumption irregular demand stocks	37
Spike in consumption regular demand stocks	29
Name: count, dtype: int64	





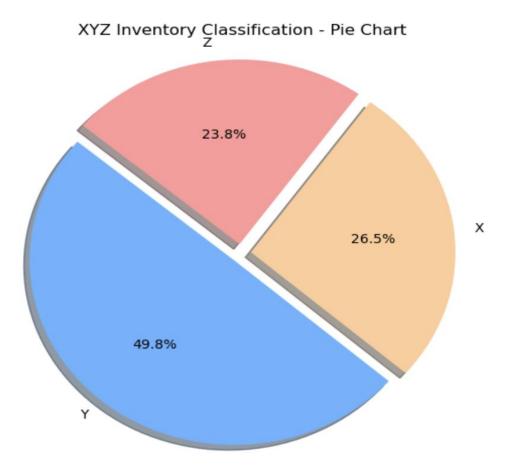
## Supply Chain Dashboard

ABC Classification

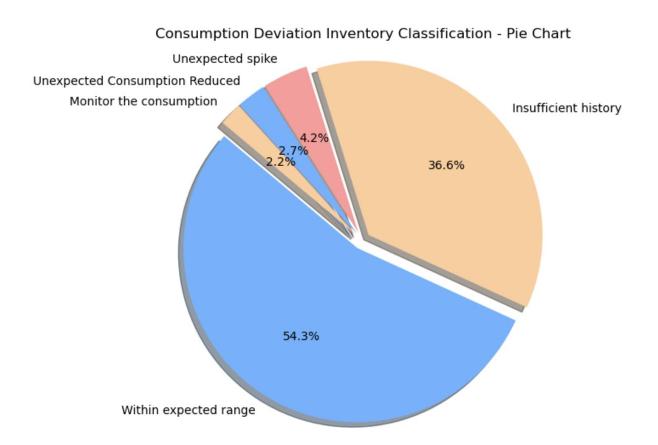


C

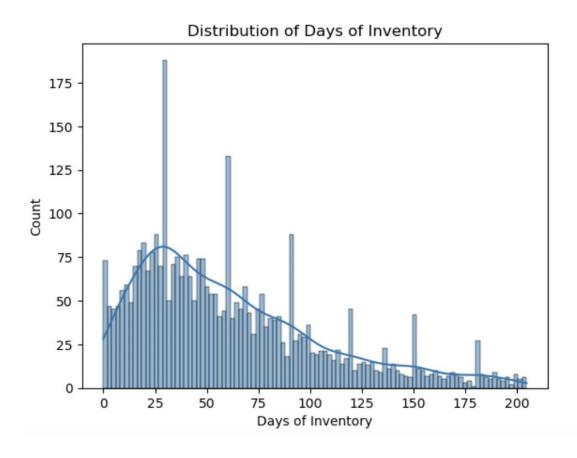
#### XYZ classification: Based on variation in consumption pattern



#### Stockout Prediction Based on Z-Score variation of cosnumption in latest cycle



## Distribution of Days Of Inventory across the SKUs



### Python output with Actions and Recomendations

														4	
Item	Total Cost	cum_pct	ABC	cv	XYZ	z_score	status	QTY	Daily	DOH		Item	Moving	Action	Action
Code	, ,	i .	'	į į	1	1	1	1 '	Consumption		<reorder_< th=""><th>Count</th><th>Status</th><th>Recommendation</th><th>Recommendation</th></reorder_<>	Count	Status	Recommendation	Recommendation
			'	1	1 '	1	1	( '	i -	·	point	1	1	for diluting stocks	1
	, ,	í	'	1	1	1	1	1 '	1		Point	i '	1	Tor undering stocks	1
		·	<u> </u>		'	<u> </u>		'				<u> </u>			stockouts
6672fbd4	58,36,783.74	0.02	Α	0.50	X	(0.18)	Within expected range	37.00	9.80	3.78	1.00	3,455.00	Regular Moving	Don't Act	Don't Act
2d331125	37,09,988.16	0.03	Α	0.37	X	0.23	Within expected range	171.00	3.18	53.81	-	1,171.00	Regular Moving	Don't Act	Don't Act
53509f65	24,77,282.67	0.04	Α	0.32	X	(1.01)	Within expected range	17,265.00	602.66	28.65	-	3,957.00	Regular Moving	Don't Act	Don't Act
d158d5ce	24,36,510.53	0.05	Α	0.51	Υ	0.59	Within expected range	253.00	8.24	30.70	-	865.00	Regular Moving	Don't Act	Don't Act
ea97304e	21,33,111.49	0.06	Α	0.33	Х	1.17	Within expected range	116.00	5.94	19.51	-	1,953.00	Regular Moving	Don't Act	Don't Act
05b0ac38	20,92,740.75	0.07	Α	0.82	Υ	1.32	Within expected range	6.00	0.34	17.70	-	86.00	Regular Moving	Don't Act	Don't Act
3cc3c819	20,65,328.00	0.08	Α	0.42	Х	(4.24)	Unexpected Consumption	92.00	3.41	27.00	-	729.00	Regular Moving	Don't Act	Don't Act
b72cd6d2	18,68,741.65	0.08	Α	0.42	X	(1.16)	Within expected range	47.00	2.44	19.27	-	672.00	Regular Moving	Don't Act	Don't Act
840f4d3c	17,13,866.89	0.09	Α	0.64	Υ	0.91	Within expected range	20.00	0.65	30.90	-	233.00	Regular Moving	Don't Act	Don't Act
79695af1	16,58,284.40	0.09	Α	0.38	X	0.11	Within expected range	30.00	1.44	20.89	-	518.00	Regular Moving	Don't Act	Don't Act
03728de9	15,36,813.10	0.10	Α	0.49	Х	(1.03)	Within expected range	1,949.00	112.04	17.40	-	1,245.00	Regular Moving	Don't Act	Don't Act
67704193	14,59,115.67	0.11	Α	0.39	X	(0.33)	Within expected range	2,430.00	139.87	17.37	-	1,117.00	Regular Moving	Don't Act	Don't Act
373e3c93	14,30,573.68	0.11	Α	0.37	X	(1.40)	Within expected range	52.00	2.13	24.41	-	798.00	Regular Moving	Don't Act	Don't Act
8068cf9c	13,98,014.65	0.12	Α	0.31	X	(2.22)	Unexpected Consumption	3,629.00	205.54	17.66	-	2,410.00	Regular Moving	Don't Act	Don't Act
1f7d2498	13,40,278.91	0.12	Α	0.66	Υ	2.03	Unexpected spike	77.00	1.71	45.00	-	288.00	Regular Moving	Don't Act	Spike in consumption for
57e04afa	13,22,370.81	0.13	Α	0.26	Х	0.10	Within expected range	16,000.00	357.00	44.82	-	2,832.00	Regular Moving	Don't Act	Don't Act
364faa92	13,07,815.20	0.13	Α	0.31	Х	(2.49)	Unexpected Consumption	76.00	3.42	22.24	-	1,221.00	Regular Moving	Don't Act	Don't Act
0b7fcf14	12,56,488.04	0.14	Α	0.53	Υ	2.10	Unexpected spike	2,440.00	61.39	39.75	-	442.00	Regular Moving	Don't Act	Spike in consumption for
1f34ade4	11,88,947.70	0.14	Α	0.33	Х	(0.81)	Within expected range	52.00	1.80	28.93	-	633.00	Regular Moving	Don't Act	Don't Act
981b6555	11,21,875.54	0.14	Α	0.25	Х	(0.85)	Within expected range	7,920.00	414.53	19.11	-	2,540.00	Regular Moving	Don't Act	Don't Act
b10b525a	11,01,622.20	0.15	Α	0.49	Х	0.69	Within expected range	19.00	0.36	53.44	-	128.00	Regular Moving	Don't Act	Don't Act
8ebc55b5	10,72,144.50	0.15	Α	_	Х		Insufficient history	280.00	4.67	60.00	-	2.00	Slow Moving	Don't Act	Don't Act
0e337829	10,42,453.90	0.16	Α	0.55	Y	(0.84)	Within expected range	1,810.00	19.02	95.17	-	572.00	Regular Moving	Don't Act	Don't Act

Action recommendations for diluting the stocks to attack slow and non-moving stocks

5099

Action Recommendation for diluting stocks
Don't Act

Low Priority: Move the stock or send back to Vendor 236

High Priority: Move the stock or send back to Vendor

Name: count, dtype: int64

#### Action recommendations for predicting the stockouts

Action Recommendation predicting stockouts	
Don't Act	5112
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# Thank you