

SALESCAST REPORT FOR aa

Date: December 19, 2022

Name of Product: Coke 8oz

Prophet Analysis

Frequency: Daily

Number of Periods to be predicted: 10

Future Stocks and Suggested Prices

Date	Anticipated Volume	Anticipated Price
2022-10-01 00:00:00	8.478503941985094	179.3
2022-10-02 00:00:00	0	0
2022-10-03 00:00:00	14.098535486888146	258.61
2022-10-04 00:00:00	7.668634720923601	99.98
2022-10-05 00:00:00	7.00179069337045	77.32
2022-10-06 00:00:00	7.641498233288494	156.63
2022-10-07 00:00:00	6.4906736572078225	167.96
2022-10-08 00:00:00	8.348129437138986	122.64
2022-10-09 00:00:00	0	0
2022-10-10 00:00:00	13.96816098206132	258.61

Price Elasticity: -1.56

Root Mean Squared Error between actual and predicted values: 3.4182633023666815

Mean Absolute Percentage Error between actual and predicted values: 1.7319273982842022e+17%

Mean Value of Test Dataset: 8.0

OLS Regression Results

Dep. Variable:	y	R-squared:	1.000
Model:	OLS	Adj. R-squared:	nan
Method:	Least Squares	F-statistic:	nan
Date:	Mon, 19 Dec 2022	Prob (F-statistic):	nan
Time:	13:27:53	Log-Likelihood:	60.059
No. Observations:	2	AIC:	-116.1

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Date: December 19, 2022

Name of Product: Coke 8oz

Df Residuals: 0 BIC: -118.7
Df Model: 1
Covariance Type: nonrobust

	coef	std err	t	P> t	[0.025	0.975]
const	22.8235	inf	0	nan	nan	nan
x1	-0.0883	inf	-0	nan	nan	nan

Omnibus: nan Durbin-Watson: 0.040
Prob(Omnibus): nan Jarque-Bera (JB): 0.333
Skew: 0.000 Prob(JB): 0.846
Kurtosis: 1.000 Cond. No. 3.48e+03

Notes:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

[2] The condition number is large, 3.48e+03. This might indicate that there are strong multicollinearity or other numerical problems.