



Prediction of petroleum price

Presented by :
Mythili V(7376211MC126)
Bavya M(7376212CB110)
Harini D(7376212CB117)

PROBLEM DEFINITION

1. Fuel price hiking

day by day

2. Uneven price

3. petrol price

won't decrease



petroleum price



AIM and objective



**RECORD
HIGH!**

Predicting the
fuel price in
advance using
linear algorithm.

statistics of fuel price hike in india

petrol prices between April 2021 and March 2022 increased by 5%. The overall fuel price hike has gone up by Rs 9.20 per litre in the past two weeks.

PETROL & DIESEL PRICE RISE IN A MONTH & OVER 15 MONTHS					
	Petrol		Increase	Petrol	Increase
	1st July	1st June	in 30 days	April 1-2020	in 15 months
Mumbai	104.9	100.72	Rs 4.18	75.28	Rs 29.62
Delhi	98.81	94.49	Rs 4.32	69.59	Rs 29.22
Chennai	99.8	95.99	Rs 3.81	72.28	Rs 27.52
Kolkata	98.64	94.5	Rs 4.14	72.27	Rs 26.37
	Diesel		Increase	Diesel	Increase
	1st July	1st June	in 30 days	April 1-2020	in 15 months
Mumbai	96.72	92.69	Rs 4.03	65.19	Rs 31.53
Delhi	89.18	85.38	Rs 3.80	62.29	Rs 26.89
Chennai	93.72	90.12	Rs 3.60	65.71	Rs 28.01
Kolkata	92.03	88.23	Rs 3.80	64.6	Rs 27.43

Hiking of petrol price

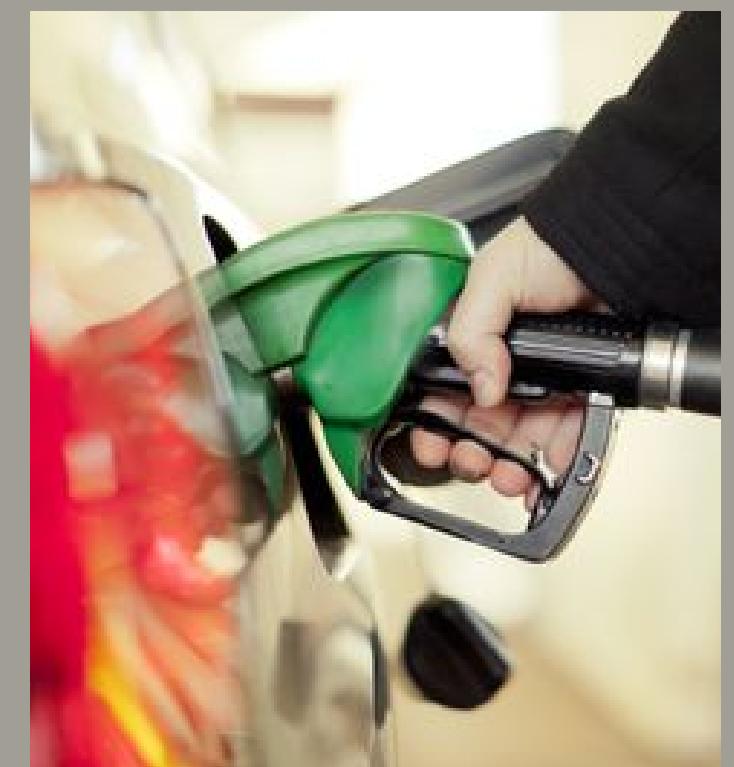
The price of Brent crude has increased by 45 per cent to \$118.5 per barrel, up from \$81.6 barrel when OMCs last revised fuel prices. India imports about 85 per cent of its crude oil requirements.



WHY

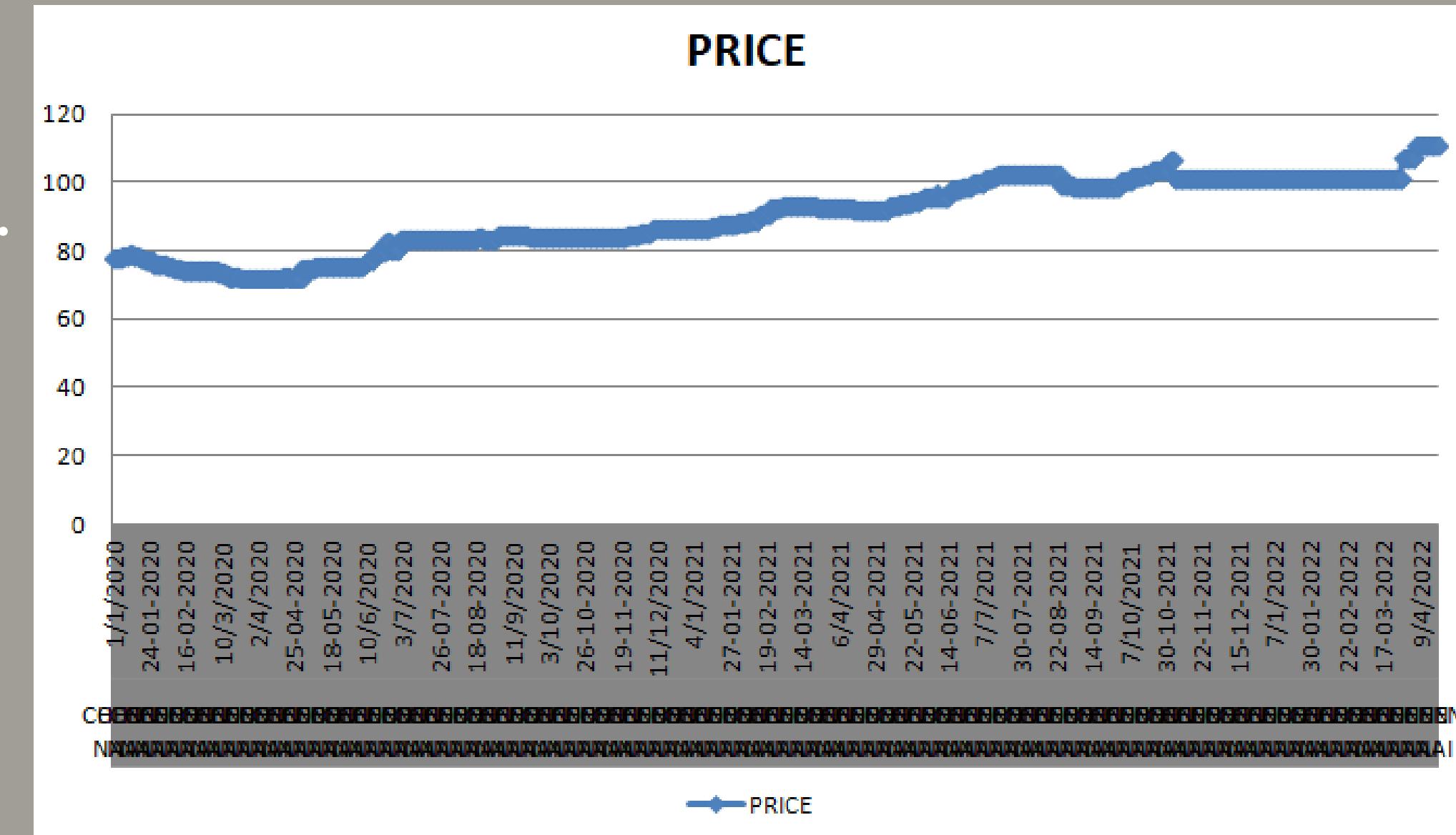
"The fuel price hike,

1. the first since November 2021 remains low compared to the run up in crude oil prices.
2. the full impact of the crude oil price increase would pass on to the retail consumers in a graded manner," said Prashant Vasisht, Vice President and Co-Head, Corporate Ratings, ICRA.



LINEAR ALGORITHM

Linear Regression is a machine learning algorithm based on supervised learning. It performs a regression task. Regression models a target prediction value based on independent variables. It is mostly used for finding out the relationship between variables and forecasting.



DATA SET description

CHENNAI	07-01-2020	78.43
CHENNAI	08-01-2020	78.75
CHENNAI	09-01-2020	78.75
CHENNAI	10-01-2020	78.75
CHENNAI	11-01-2020	79.04
CHENNAI	12-01-2020	79.04
CHENNAI	13-01-2020	78.72
CHENNAI	14-01-2020	78.72
CHENNAI	15-01-2020	78.72
CHENNAI	16-01-2020	78.72
CHENNAI	17-01-2020	78.07
CHENNAI	18-01-2020	78.07
CHENNAI	19-01-2020	78.07

we have used three features that are place, date and price for past three year to predict the petrol price

Conclusion

We have predicted that the petrol price will increase in future



Thanks

