

***Round-5 by Team PLEO\_IT&ANALYTICS***

**Tableau Round**

1. Forecast the data using the months and closing price. (3 months forecasting is fine and explain in the word file)

## Options Used to Create Forecasts

**Time series:** Month of Month

**Measures:** Sum of Close Price

**Forecast forward:** 13 months (December 2021 – December 2022)

**Forecast based on:** April 2016 – November 2021

**Ignore last:** 1 month (December 2021)

**Seasonal pattern:** None (Searched for a seasonal pattern recurring every 12 Months)

## Sum of Close Price

Initial	Change From Initial	Seasonal Effect		Contribution		
December 2021	December 2021 – December 2022	High	Low	Trend	Season	Quality
745.4 ± 11.0%	11.5%	None		100.0%	0.0%	Poor

The estimate for the year 2022 is mentioned below.

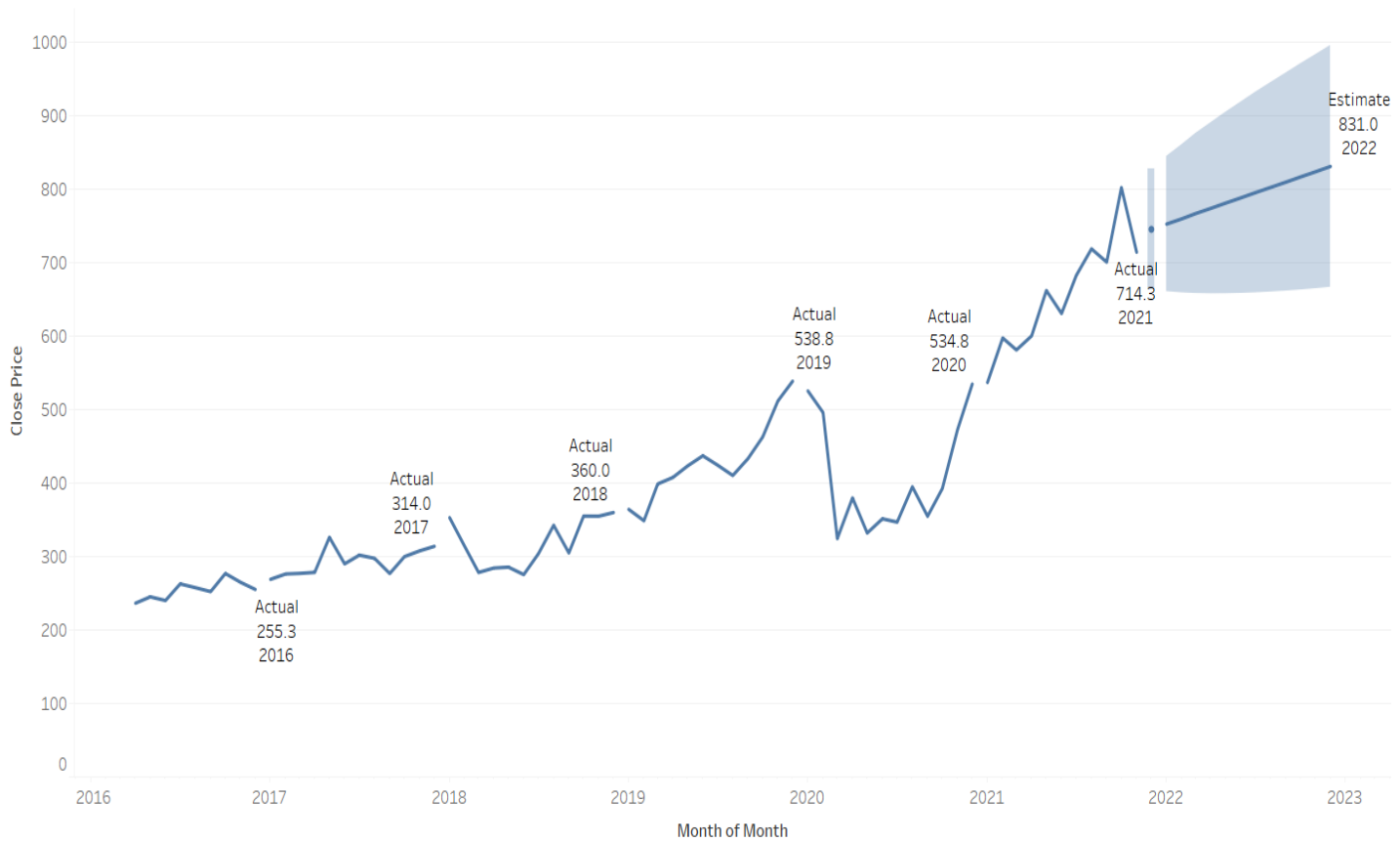
View Data: Sheet 2

☒ Show aliases

Month of Month	Forecast indicator	Year of Month	Close Price
January 2022	Estimate	2022	752.568
February 2022	Estimate	2022	759.698
March 2022	Estimate	2022	766.828
April 2022	Estimate	2022	773.958
May 2022	Estimate	2022	781.088
June 2022	Estimate	2022	788.218
July 2022	Estimate	2022	795.347
August 2022	Estimate	2022	802.477
September 2022	Estimate	2022	809.607
October 2022	Estimate	2022	816.737
November 2022	Estimate	2022	823.867
December 2022	Estimate	2022	830.997
December 2021	Estimate	2021	745.439
January 2021	Actual	2021	537.000
February 2021	Actual	2021	597.600
March 2021	Actual	2021	581.250
April 2021	Actual	2021	600.400
May 2021	Actual	2021	662.200
June 2021	Actual	2021	630.850
July 2021	Actual	2021	682.700
August 2021	Actual	2021	718.850
September 2021	Actual	2021	700.800
October 2021	Actual	2021	802.300
November 2021	Actual	2021	714.300
January 2020	Actual	2020	525.550
February 2020	Actual	2020	496.050
March 2020	Actual	2020	324.500
April 2020	Actual	2020	379.900
May 2020	Actual	2020	332.100
June 2020	Actual	2020	351.450
July 2020	Actual	2020	346.900
August 2020	Actual	2020	395.000
September 2020	Actual	2020	354.900
October 2020	Actual	2020	392.550
November 2020	Actual	2020	472.800
December 2020	Actual	2020	534.800
January 2019	Actual	2019	364.250
February 2019	Actual	2019	348.800
March 2019	Actual	2019	398.850
April 2019	Actual	2019	407.750
May 2019	Actual	2019	423.400
June 2019	Actual	2019	437.250
July 2019	Actual	2019	424.500
August 2019	Actual	2019	410.400
September 2019	Actual	2019	433.400
October 2019	Actual	2019	462.850
November 2019	Actual	2019	511.950

December 2019	Actual		2019	538.750
January 2018	Actual		2018	352.950
February 2018	Actual		2018	313.500
March 2018	Actual		2018	278.400
April 2018	Actual		2018	284.450
May 2018	Actual		2018	285.600
June 2018	Actual		2018	275.500
July 2018	Actual		2018	303.950
August 2018	Actual		2018	342.650
September 2018	Actual	•	2018	305.000
October 2018	Actual		2018	355.100
November 2018	Actual		2018	355.000
December 2018	Actual		2018	360.000
January 2017	Actual		2017	269.050
February 2017	Actual		2017	276.400
March 2017	Actual		2017	277.100
April 2017	Actual		2017	278.500
May 2017	Actual		2017	326.300
June 2017	Actual		2017	290.100
July 2017	Actual		2017	301.950
August 2017	Actual		2017	297.650
September 2017	Actual		2017	276.950
October 2017	Actual		2017	299.950
November 2017	Actual		2017	307.800
December 2017	Actual		2017	314.000
April 2016	Actual		2016	236.600
May 2016	Actual		2016	245.200
June 2016	Actual		2016	240.200
July 2016	Actual		2016	262.850
August 2016	Actual		2016	257.700
September 2016	Actual		2016	252.300
October 2016	Actual		2016	277.000
November 2016	Actual		2016	265.000
December 2016	Actual		2016	255.300
Summary	Full Data			

Forecast th data using the months and closing price



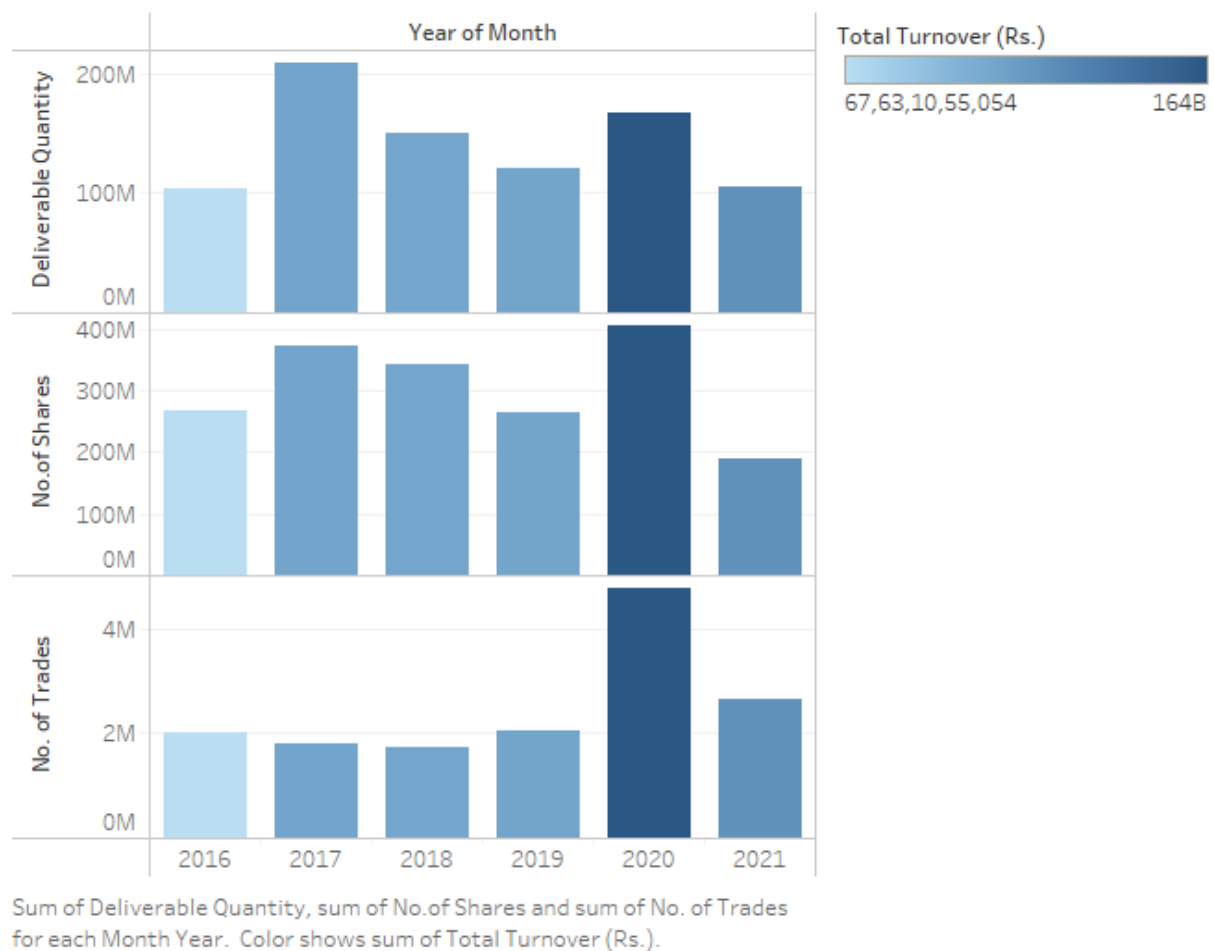
The trend of sum of Close Price (actual & forecast) for Month Month. The marks are labeled by Forecast indicator, sum of Close Price (actual & forecast) and Month Year. The data is filtered on Month Month, which keeps 12 of 12 members.

## Insights:

- Trend line is created for close price and month of month from 2016 to 2023.
- Then the forecast is made for next 3 months which is visible in the above graph as well as table.
- The curve is straight which indicates the growth is linear.
- The actual amount as of 2021 is 714.3 Million \$ and the estimated is 831 Million\$ in 2022.
- The graph is moving upwards, which indicated the positive impact on the company for the year 2022.
- The increase is observed as 16.4% for the year 2022.

## 2. Visualize the data in tableau by taking minimum 3 key metrics and explain about it in the word file.

Q2-TEAM\_PLEO\_TABLEAU



### Insights:

- Used colour shade to differentiate the values from 2016 to 2021
- In year 2020 the shade is dark which indicates that maximum quantity trades and shares has been transacted.

- Similarly in 2016 the shade is light that indicates the low transaction of three metrics