

Analysis of Tata Motors Share

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Abstract: This paper deals with statistical and mathematical analysis of Tata Motors share for the five years 2018,2019,2020,2021 and 2022. We find suitable month to buy or sell the shares for shareholders of bear type.

Keywords: Tata Motors share.

I. INTRODUCTION

India is the huge country with 1.417 billion populations. Country is growing progressively with 3.18 lakh crores \$. Most of the population in India using car for family and commercial purpose. Some of the well-known car companies in India are Maruti Suzuki, Tata Motors, Hundai, Kia, etc[.

Bokade in [3] focus on consumer buying behaviour for Maruti Suzuki cars. [4] have given the analysis of shares of Maruti Suzuki for the years for the years 2003,2004,2005 ,2006. He obtained suitable period to sell and buy the share for Maruti Suzuki company. On the same basis we have tried to make analysis of Tata Motors.

II. STATISTICAL AND MATHEMATICAL ANALYSIS

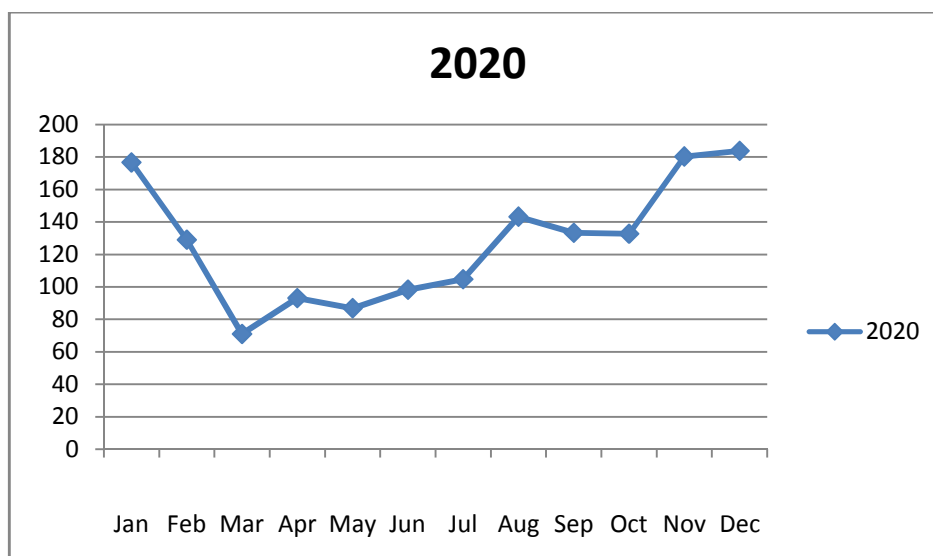
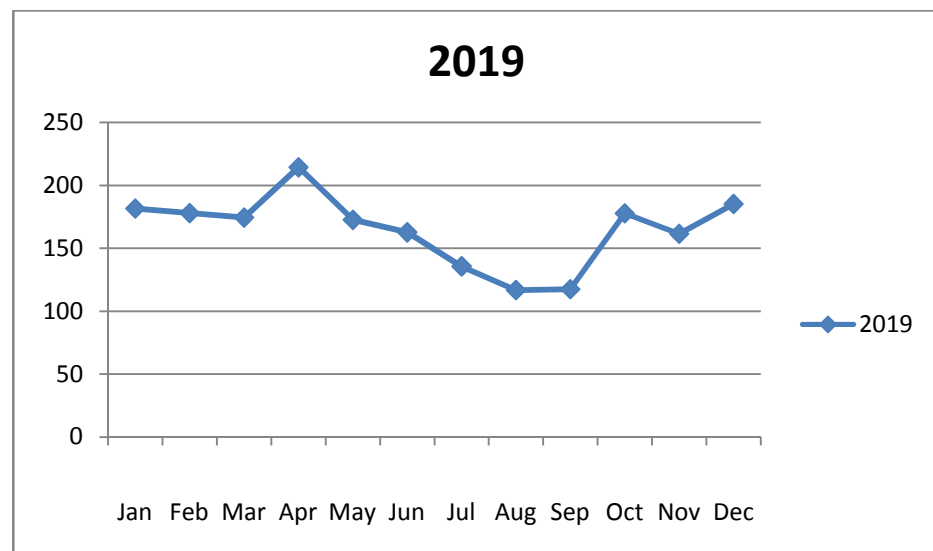
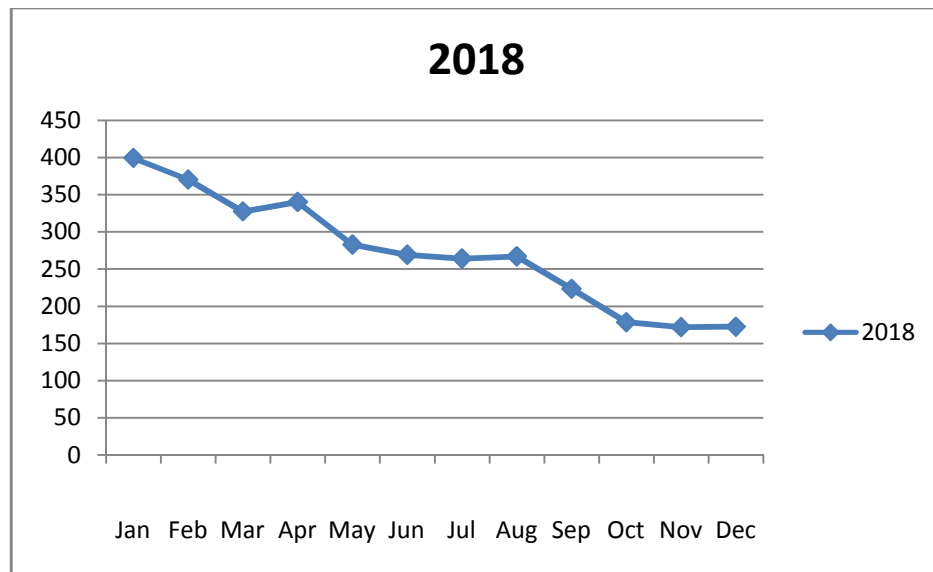
The data given below is obtained from [7] on 6 January 2023.

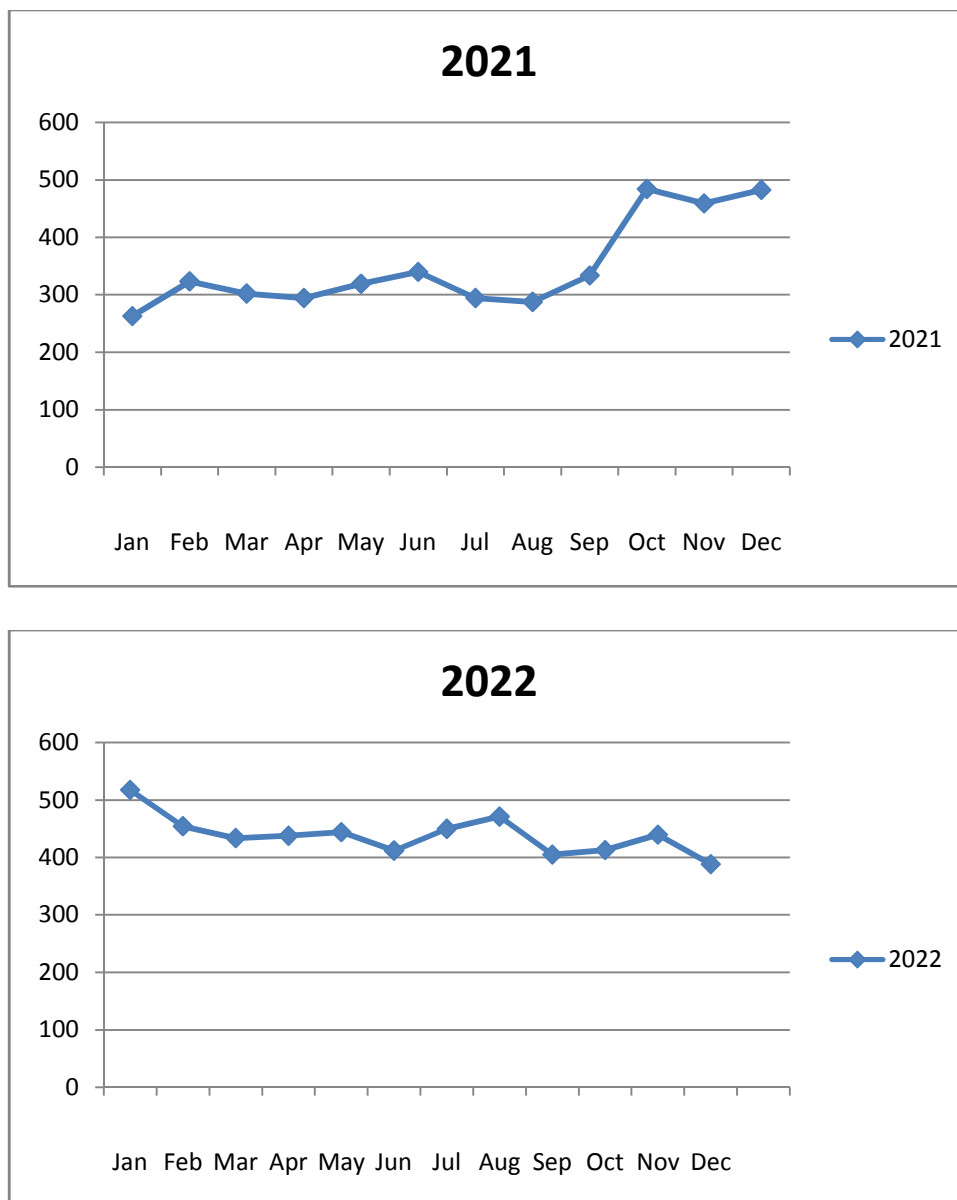
Year	Open	High	Low	Close	No of Shares	No of trades	Total Turnover
2018	432.2	443.55	154.7	172.6	26,71,54,620	21,24,634	68,31,84,12,395
2019	173.7	239.3	106	185.1	52,14,21,598	26,86,732	82,54,25,39,150
2020	185.85	201.8	63.6	183.7	90,61,85,538	44,71,116	1,13,93,20,97,230
2021	185.25	536.5	184.55	482.35	87,40,91,013	90,14,103	2,85,59,27,49,289
2022	492.25	528.35	366.05	388.1	27,35,43,842	56,10,331	1,19,71,79,36,736
2023	392	398.2	385	385.75	20,93,251	61,266	81,92,91,087
2018	432.2	443.55	154.7	172.6	26,71,54,620	21,24,634	68,31,84,12,395

2.1 Highest Closing Price

In this table, we marked the highest closing price for the concern year.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	399.25	370.2	327.45	340.2	282.9	269.3	264.15	267.1	223.45	178.65	171.95	172.6
2019	181.5	177.85	174.3	214.2	172.5	162.6	135.6	116.75	117.45	177.7	161.45	185.1
2020	176.6	129	71.05	93.1	86.9	98.25	104.7	143.2	133.3	132.7	180.25	183.7
2021	262.6	323	301.85	293.95	318.7	339.55	293.95	287.35	333.2	483.75	458.8	482.35
2022	517.5	454.15	433.5	437.55	443.85	411.7	449.65	471	404.65	412.6	439.35	388.1

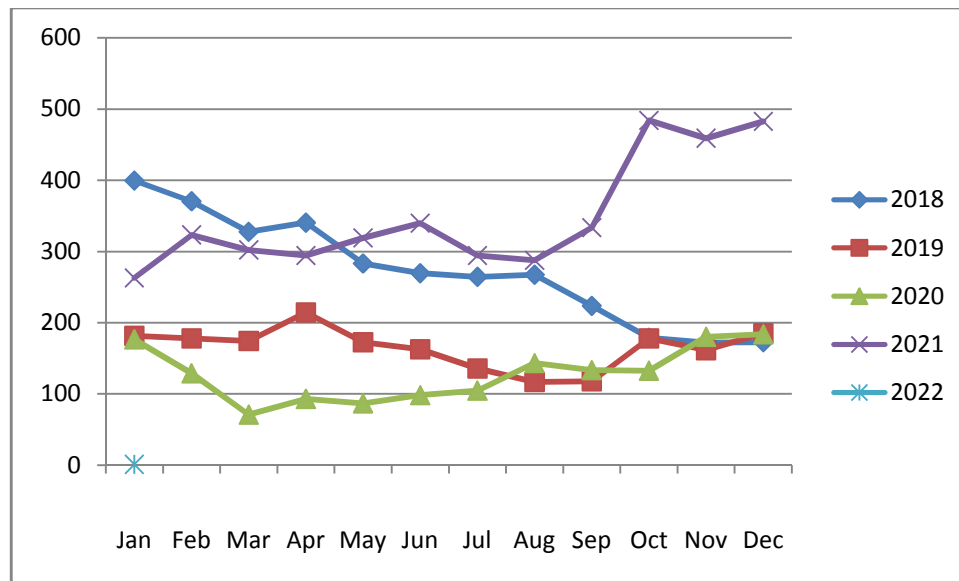




2.2 Lowest Closing Price

In the table given below, we marked the lowest closing price for the concern year.

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	399.25	370.2	327.45	340.2	282.9	269.3	264.15	267.1	223.45	178.65	171.95	172.6
2019	181.5	177.85	174.3	214.2	172.5	162.6	135.6	116.75	117.45	177.7	161.45	185.1
2020	176.6	129	71.05	93.1	86.9	98.25	104.7	143.2	133.3	132.7	180.25	183.7
2021	262.6	323	301.85	293.95	318.7	339.55	293.95	287.35	333.2	483.75	458.8	482.35
2022	517.5	454.15	433.5	437.55	443.85	411.7	449.65	471	404.65	412.6	439.35	388.1



III. CONCLUSION

After the above study of Tata Motors shares, we predicted the following for bear type shareholders

1. Sell the shares at January.
2. Buy the shares at September.

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