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## Yes Bank Performance

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### ABSTRACT

*In this paper, with the help of various mathematical tools, I will analyse the performance of Yes Bank share price since December, 2019. The mathematical tools will also help in forecasting the future price of Yes Bank. The forecast will be based on the previous prices and will not consider any external factors. A Trend Line will also be provided for better understanding of the research.*

**Keywords**— Analysis, Regression, data, forecasting and trend line

### 1. INTRODUCTION

Yes Bank has been making inadequate profits in the last four quarters. The bank has also been facing serious governance issues and practices in the recent years which have led to a steady decline of the bank. Take, for instance, the bank under-reported NPA's to the tune of Rs. 3,277 crore in 2018-19. The bank was facing a regular outflow of liquidity, in the sense, that the bank was witnessing withdrawal of deposits from customers. This paper shows the analysis of Yes Bank share price from 6<sup>th</sup> December, 2019 to 5<sup>th</sup> March, 2020 and provides an insight into the future value of the bank's share price based on the last four months prices.

### 2. DATA

Table 1: Data

Days	Date	Price (Y)	3 - Days Moving Average	X = Days - 31.5	Trend Line
1.	Friday, December 6, 2019	56		-30.5	50.892627
2.	Monday, December 9, 2019	56.2		-29.5	50.596676
3.	Tuesday, December 10, 2019	50.55	54.3	-28.5	50.300725
4.	Wednesday, December 11, 2019	42.8	49.9	-27.5	50.004774
5.	Thursday, December 12, 2019	45.35	46.2	-26.5	49.708824
6.	Friday, December 13, 2019	46.65	44.9	-25.5	49.412873
7.	Monday, December 16, 2019	46.8	46.3	-24.5	49.116922
8.	Tuesday, December 17, 2019	47.6	47.0	-23.5	48.820972
9.	Wednesday, December 18, 2019	46.75	47.1	-22.5	48.525021
10.	Thursday, December 19, 2019	49.9	48.1	-21.5	48.22907
11.	Friday, December 20, 2019	51.35	49.3	-20.5	47.933119
12.	Monday, December 23, 2019	49.65	50.3	-19.5	47.637169
13.	Tuesday, December 24, 2019	51.2	50.7	-18.5	47.341218
14.	Thursday, December 26, 2019	48.7	49.9	-17.5	47.045267
15.	Friday, December 27, 2019	48	49.3	-16.5	46.749316
16.	Monday, December 30, 2019	47.35	48.0	-15.5	46.453366
17.	Tuesday, December 31, 2019	46.95	47.4	-14.5	46.157415
18.	Wednesday, January 1, 2020	46.65	47.0	-13.5	45.861464

19.	Thursday, January 2, 2020	47.3	47.0	-12.5	45.565513		
20.	Friday, January 3, 2020	47.1	47.0	-11.5	45.269563		
21.	Monday, January 6, 2020	45.15	46.5	-10.5	44.973612		
22.	Tuesday, January 7, 2020	45.1	45.8	-9.5	44.677661		
23.	Wednesday, January 8, 2020	46.05	45.4	-8.5	44.38171		
24.	Thursday, January 9, 2020	47.3	46.2	-7.5	44.08576		
25.	Friday, January 10, 2020	44.8	46.1	-6.5	43.789809		
26.	Monday, January 13, 2020	42.1	44.7	-5.5	43.493858		
27.	Tuesday, January 14, 2020	38.55	41.8	-4.5	43.197907		
28.	Wednesday, January 15, 2020	39.8	40.2	-3.5	42.901957		
29.	Thursday, January 16, 2020	39.95	39.4	-2.5	42.606006		
30.	Friday, January 17, 2020	39.25	39.7	-1.5	42.310055		
31.	Monday, January 20, 2020	38.65	39.3	-0.5	42.014104		
32.	Tuesday, January 21, 2020	38.35	38.8	0.5	41.718154		
33.	Wednesday, January 22, 2020	38.45	38.5	1.5	41.422203		
34.	Thursday, January 23, 2020	40.95	39.3	2.5	41.126252		
35.	Friday, January 24, 2020	42.75	40.7	3.5	40.830301		
36.	Monday, January 27, 2020	42.4	42.0	4.5	40.534351		
37.	Tuesday, January 28, 2020	41.65	42.3	5.5	40.2384		
38.	Wednesday, January 29, 2020	41.2	41.8	6.5	39.942449		
39.	Thursday, January 30, 2020	39.05	40.6	7.5	39.646498		
40.	Friday, January 31, 2020	39.2	39.8	8.5	39.350548		
41.	Monday, February 3, 2020	36	38.1	9.5	39.054597		
42.	Tuesday, February 4, 2020	34.95	36.7	10.5	38.758646		
43.	Wednesday, February 5, 2020	37.6	36.2	11.5	38.462695		
44.	Thursday, February 6, 2020	38.55	37.0	12.5	38.166745		
45.	Friday, February 7, 2020	38.7	38.3	13.5	37.870794		
46.	Monday, February 10, 2020	37.6	38.3	14.5	37.574843		
47.	Tuesday, February 11, 2020	36.85	37.7	15.5	37.278892		
48.	Wednesday, February 12, 2020	35.2	36.6	16.5	36.982942		
49.	Thursday, February 13, 2020	37.2	36.4	17.5	36.686991		
50.	Friday, February 14, 2020	38.9	37.1	18.5	36.39104		
51.	Monday, February 17, 2020	37.15	37.8	19.5	36.09509		
52.	Tuesday, February 18, 2020	35.05	37.0	20.5	35.799139		
53.	Wednesday, February 19, 2020	35.3	35.8	21.5	35.503188		
54.	Thursday, February 20, 2020	35.45	35.3	22.5	35.207237		
55.	Monday, February 24, 2020	34.95	35.2	23.5	34.911287		
56.	Tuesday, February 25, 2020	35.15	35.2	24.5	34.615336		
57.	Wednesday, February 26, 2020	36.55	35.6	25.5	34.319385		
58.	Thursday, February 27, 2020	36.75	36.2	26.5	34.023434		
59.	Friday, February 28, 2020	34.55	36.0	27.5	33.727484		
60.	Monday, March 2, 2020	31.6	34.3	28.5	33.431533		
61.	Tuesday, March 3, 2020	31.25		29.5	33.135582		
62.	Thursday, March 5, 2020	36.85		30.5	32.839631		
<b>FORECAST</b>					31.5	32.543681	
						32.5	32.24773
						33.5	31.951779
						34.5	31.655828
						35.5	31.359878
						36.5	31.063927
						37.5	30.767976

### 3. REGRESSION ANALYSIS

SUMMARY OUTPUT								
Regression Statistics								
Multiple R	0.907568337							
R Square	0.823680286							
Adjusted R Square	0.820741624							
Standard Error	2.490894454							
Observations	62							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	1739.08056	1739.08056	280.290933	2.7588E-24			
Residual	60	372.2733108	6.20455518					
Total	61	2111.353871						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	41.86612903	0.316343912	132.343717	1.0222E-75	41.233347	42.49891107	41.23334699	42.49891107
X Variable 1	-0.295950744	0.017677258	-16.741892	2.7588E-24	-0.3313105	-0.260590963	-0.331310526	-0.260590963

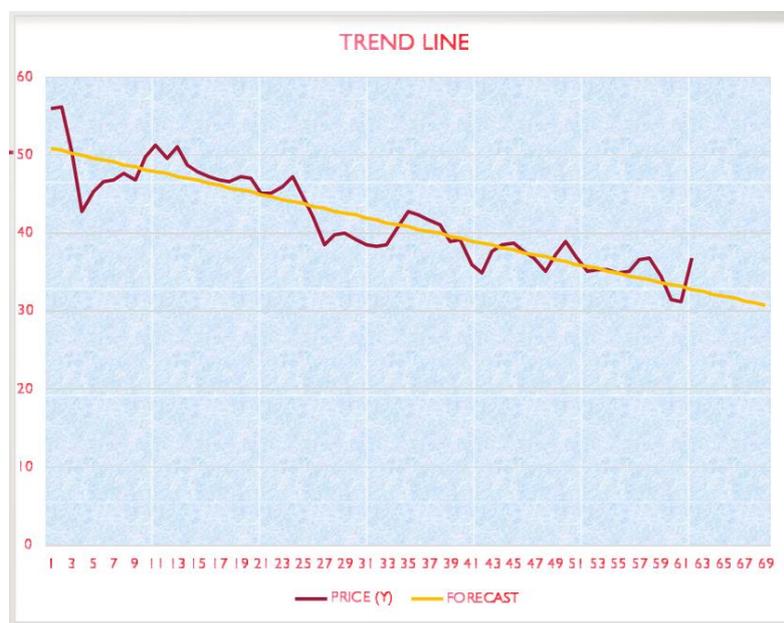


Fig. 1: Trend Line

### 4. ANALYSIS

- Well, as the trend line suggests, the share price of Yes Bank is predicted to decline as the days increase. This means that with time, the value of each share price will decrease further.
- The trend value, as stated above, does not consider any external factors. It is purely derived using coefficients of regression.
- There is a negative relationship between 'Number of Days' and 'Price'. This is derived from the regression table which states that with every 41.878 increase in intercept there is a decrease in X-variable by approximately 0.30.

### 5. CONCLUSION

- To conclude, this research paper is based on how the Yes Bank shares will perform in the near future (based on their performance since December).
- Shares of Yes Bank hit its 52-week low on Friday 6<sup>th</sup> March, 2020 due to external factor of government capping the withdrawal limit on the lender to Rs.50,000.
- Around noon even the BSE SENSEX fell by 3%.
- Consortium of lenders, led by State Bank of India, will acquire a controlling stake in Yes Bank.

### 6. REFERENCES

- [1] [www.moneycontrol.com](http://www.moneycontrol.com)
- [2] [www.yesbank.in](http://www.yesbank.in)
- [3] <https://in.finance.yahoo.com>
- [4] [www.cnbctv18.com](http://www.cnbctv18.com)
- [5] [www.bseindia.com](http://www.bseindia.com)