

Task5: Write a brief summary of the results obtained and what inferences you can draw from the analysis performed. (Less than 250 words to be submitted in a pdf file)

The dataset provided here has been extracted from the NSE website. The Stock price data provided is from 1-Jan-2015 to 31-July-2018 for six stocks Eicher Motors, Hero, Bajaj Auto, TVS Motors, Infosys and TCS.

Following is a table of min, max and percentage change with respect to individual stocks

	bajaj	tcs	tv�	infy	eicher	hero
min	1949.4	1721.2	213.55	873.5	14320.6	2279.8
max	3409.5	3604.8	785.3	2326.6	32786.4	4047.3
% change	74.89997	109.4353	267.7359	166.3537	128.9457	77.52873

Hence, we can conclude that TVS shows most volatility as it has the highest rate of percent change.

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Following table shows number of times stocks were bought and sold

Stock name	Bought (Times)	Sold(Times)
Bajaj	12	11
TCS	12	13
Eicher	6	7
TVS	8	8
Hero	9	9
Infy	9	9

TVS was bought and sold the most number of times out of the listed stocks.

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Following is a general trend of stocks

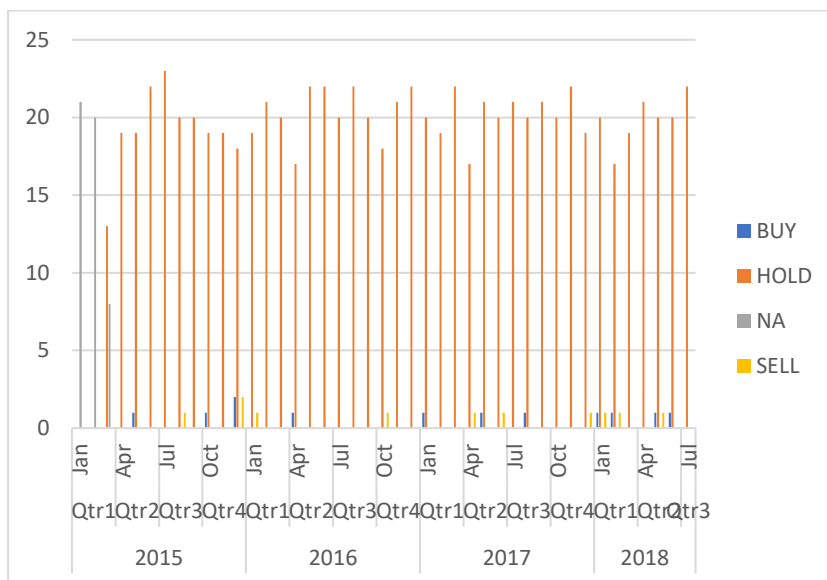
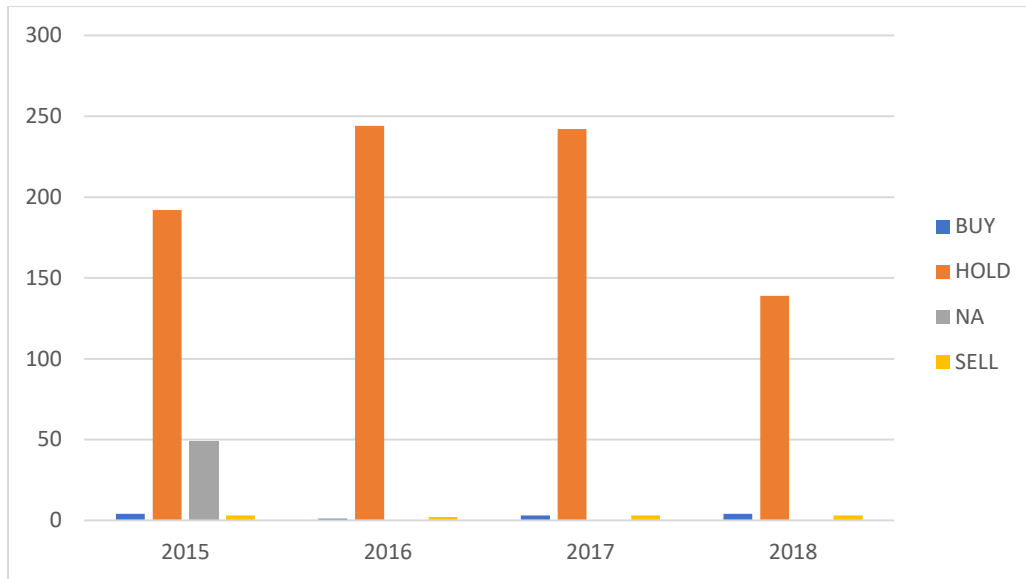
Stock name	Direction	Value
Bajaj	Up	246.59
TCS	Down	-606.94
Eicher	Up	12581.80
TVS	Up	240.60
Hero	Up	186.50
Infy	Down	-610.80

Eicher Motors had the most upward trend out of the listed stocks.

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## SUMMARY OF STOCKS-

Data for Bajaj:

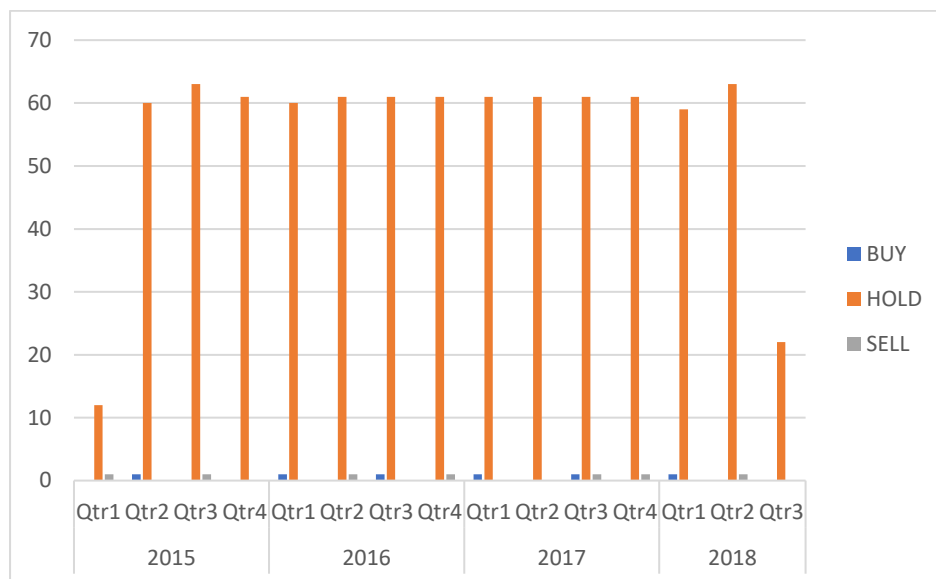


Count of Signal	Column Labels				Grand Total
Row Labels	BUY	HOLD	NA	SELL	
<b>2015</b>	<b>4</b>	<b>192</b>	<b>49</b>	<b>3</b>	<b>248</b>
<b>Qtr1</b>		<b>13</b>	<b>49</b>		<b>62</b>
Jan			21		21
Feb			20		20
Mar		13	8		21
<b>Qtr2</b>	<b>1</b>	<b>60</b>			<b>61</b>
Apr		19			19
May	1	19			20
Jun		22			22
<b>Qtr3</b>		<b>63</b>		<b>1</b>	<b>64</b>

Jul		23		23
Aug		20	1	21
Sep		20		20
<b>Qtr4</b>	<b>3</b>	<b>56</b>	<b>2</b>	<b>61</b>
Oct	1	19		20
Nov		19		19
Dec	2	18	2	22
<b>2016</b>	<b>1</b>	<b>244</b>	<b>2</b>	<b>247</b>
<b>Qtr1</b>		<b>60</b>	<b>1</b>	<b>61</b>
Jan		19	1	20
Feb		21		21
Mar		20		20
<b>Qtr2</b>	<b>1</b>	<b>61</b>		<b>62</b>
Apr	1	17		18
May		22		22
Jun		22		22
<b>Qtr3</b>		<b>62</b>		<b>62</b>
Jul		20		20
Aug		22		22
Sep		20		20
<b>Qtr4</b>		<b>61</b>	<b>1</b>	<b>62</b>
Oct		18	1	19
Nov		21		21
Dec		22		22
<b>2017</b>	<b>3</b>	<b>242</b>	<b>3</b>	<b>248</b>
<b>Qtr1</b>	<b>1</b>	<b>61</b>		<b>62</b>
Jan	1	20		21
Feb		19		19
Mar		22		22
<b>Qtr2</b>	<b>1</b>	<b>58</b>	<b>2</b>	<b>61</b>
Apr		17	1	18
May	1	21		22
Jun		20	1	21
<b>Qtr3</b>	<b>1</b>	<b>62</b>		<b>63</b>
Jul		21		21
Aug	1	20		21
Sep		21		21
<b>Qtr4</b>		<b>61</b>	<b>1</b>	<b>62</b>
Oct		20		20
Nov		22		22
Dec		19	1	20
<b>2018</b>	<b>4</b>	<b>139</b>	<b>3</b>	<b>146</b>
<b>Qtr1</b>	<b>2</b>	<b>56</b>	<b>2</b>	<b>60</b>
Jan	1	20	1	22
Feb	1	17	1	19
Mar		19		19
<b>Qtr2</b>	<b>2</b>	<b>61</b>	<b>1</b>	<b>64</b>
Apr		21		21

May	1	20	1	22	
Jun	1	20		21	
Qtr3		22		22	
Jul		22		22	
Grand Total	12	817	49	11	889

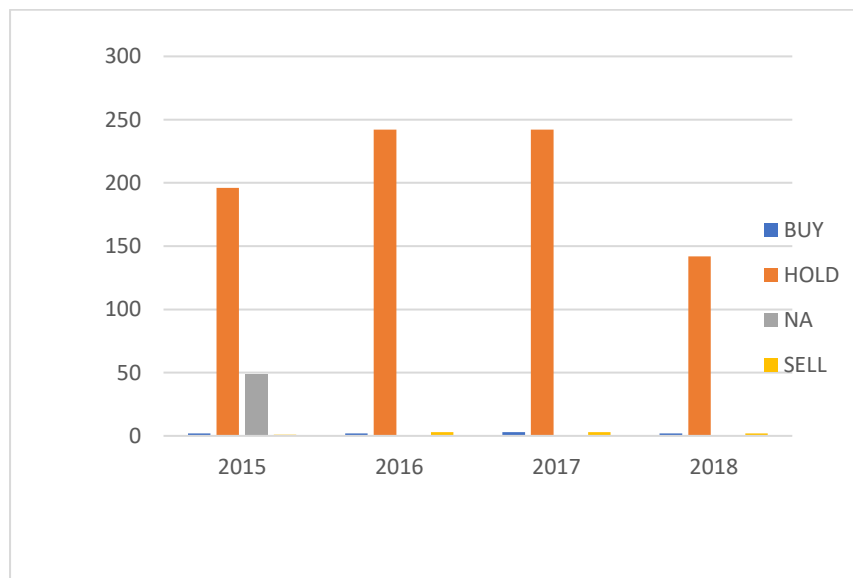
#### Data of eicher



Row Labels	Count of Signal
<b>BUY</b>	<b>6</b>
2015	1
Qtr2	1
2016	2
Qtr1	1
Qtr3	1
2017	2
Qtr1	1
Qtr3	1
2018	1
Qtr1	1
<b>HOLD</b>	<b>827</b>
2015	196
Qtr1	12
Qtr2	60
Qtr3	63
Qtr4	61
2016	243
Qtr1	60
Qtr2	61
Qtr3	61
Qtr4	61

<b>2017</b>	<b>244</b>
Qtr1	61
Qtr2	61
Qtr3	61
Qtr4	61
<b>2018</b>	<b>144</b>
Qtr1	59
Qtr2	63
Qtr3	22
<b>SELL</b>	<b>7</b>
<b>2015</b>	<b>2</b>
Qtr1	1
Qtr3	1
<b>2016</b>	<b>2</b>
Qtr2	1
Qtr4	1
<b>2017</b>	<b>2</b>
Qtr3	1
Qtr4	1
<b>2018</b>	<b>1</b>
Qtr2	1
<b>Grand Total</b>	<b>840</b>

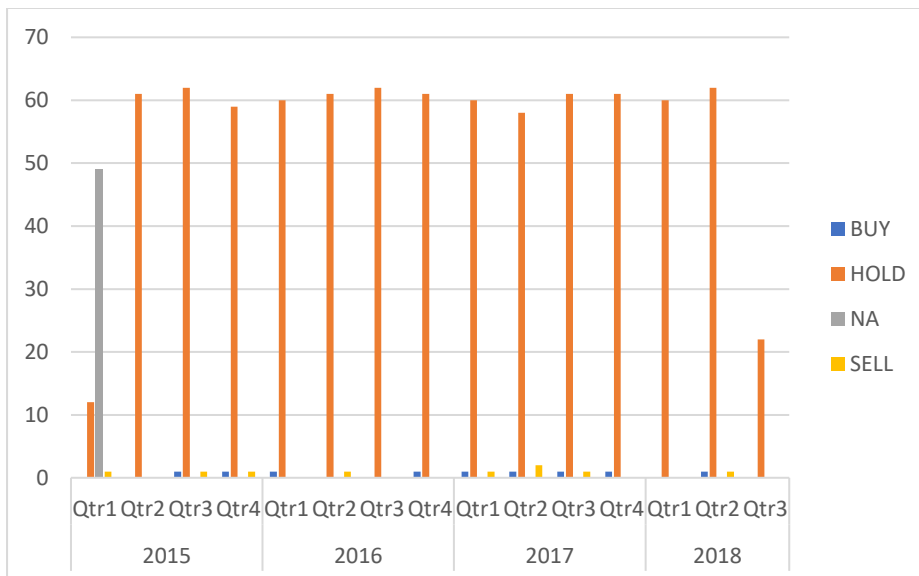
#### Data of hero



Count of Signal	Column Labels				Grand Total
Row Labels	BUY	HOLD	NA	SELL	
<b>2015</b>	<b>2</b>	<b>196</b>	<b>49</b>	<b>1</b>	<b>248</b>
Qtr1		13	49		62
Qtr2	1	60			61

Qtr3		63	1	64	
Qtr4	1	60		61	
2016	2	242	3	247	
Qtr1	1	59	1	61	
Qtr2	1	60	1	62	
Qtr3		62		62	
Qtr4		61	1	62	
2017	3	242	3	248	
Qtr1	1	61		62	
Qtr2	1	59	1	61	
Qtr3	1	61	1	63	
Qtr4		61	1	62	
2018	2	142	2	146	
Qtr1	1	58	1	60	
Qtr2	1	62	1	64	
Qtr3		22		22	
Grand Total	9	822	49	9	889

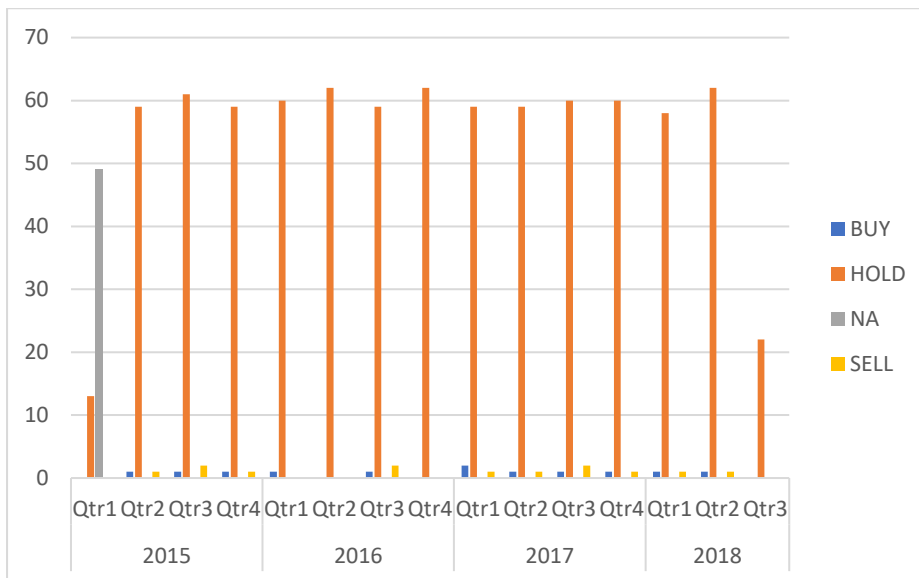
#### Data of Infosys



Count of Signal	Column Labels				Grand Total
Row Labels	BUY	HOLD	NA	SELL	
2015	2	194	49	3	248
Qtr1		12	49	1	62
Qtr2		61			61
Qtr3	1	62		1	64
Qtr4	1	59		1	61
2016	2	244		1	247
Qtr1	1	60			61
Qtr2		61		1	62

Qtr3		62		62	
Qtr4	1	61		62	
2017	4	240	4	248	
Qtr1	1	60	1	62	
Qtr2	1	58	2	61	
Qtr3	1	61	1	63	
Qtr4	1	61		62	
2018	1	144	1	146	
Qtr1		60		60	
Qtr2	1	62	1	64	
Qtr3		22		22	
Grand Total	9	822	49	9	889

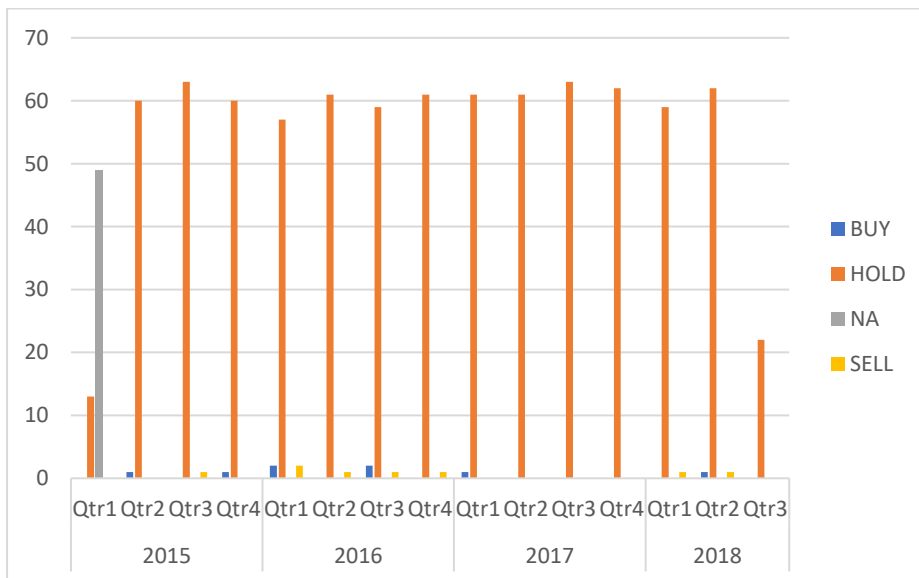
Data of tcs



Count of Signal	Column Labels				Grand
Row Labels	BUY	HOLD	NA	SELL	Total
2015	3	192	49	4	248
Qtr1		13	49		62
Qtr2	1	59		1	61
Qtr3	1	61		2	64
Qtr4	1	59		1	61
2016	2	243		2	247
Qtr1	1	60			61
Qtr2		62			62
Qtr3	1	59		2	62
Qtr4		62			62
2017	5	238		5	248
Qtr1	2	59		1	62
Qtr2	1	59		1	61

Qtr3	1	60	2	63	
Qtr4	1	60	1	62	
2018	2	142	2	146	
Qtr1	1	58	1	60	
Qtr2	1	62	1	64	
Qtr3		22		22	
Grand Total	12	815	49	13	889

#### Data of TVS



Count of Signal	Column Labels				Grand Total
Row Labels	BUY	HOLD	NA	SELL	
2015	2	196	49	1	248
Qtr1		13	49		62
Qtr2	1	60			61
Qtr3		63		1	64
Qtr4	1	60			61
2016	4	238		5	247
Qtr1	2	57		2	61
Qtr2		61		1	62
Qtr3	2	59		1	62
Qtr4		61		1	62
2017	1	247			248
Qtr1	1	61			62
Qtr2		61			61
Qtr3		63			63
Qtr4		62			62
2018	1	143		2	146
Qtr1		59		1	60



Qtr2	1	62		1	64
Qtr3		22			22
Grand Total	8	824	49	8	889