

STOCK MARKET TRACKING ANALYTICAL REPORT

The Stock Market Tracking Report shows the various solutions for the given Assessment for better perspective of visualization and Data Conditioning for clear understanding.

1.) Data Manipulation Tasks:

Task 1: Creating sub sheet and fetching all data.

=QUERY('Data Set'!A1:J, "select * where D < 100 AND D IS NOT NULL order by B Desc",1)										
A	B	C	D	E	F	G	H	I	J	
1	Task : creating sub sheet and fetching all data									
2										
3	Stock	Market cap (in R	Current price	PE Ratio	52 Week High	% Below 52 wee	52 Week Low	% Above 52 Wei	Yesterday Closir	% Change
4	Reliance	1620922.44	2467.9	25.09	2856.15	13.59%	2180	13.21%	2471.6	-0.15%
5	TCS	1234544.52	3374.2	30.43	4045.5	16.59%	2926	15.32%	3334.6	1.19%
6	HUL	616301.33	2620.6	63.81	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%
7	SBI Bank	535431.32	600.05	13	629.65	4.70%	425	41.19%	595	0.85%
8	HDFC	478914.70	2619.25	19.81	2933.8	10.72%	2026	29.28%	2612.8	0.25%
9	LIC	450686.76	712.7	23.63	920	22.53%	588	21.21%	705.55	1.01%
10	Airtel	441027.40	764.6	65.86	860.55	11.15%	628.75	21.61%	756.9	1.02%
11	Bajaj Finance	361172.64	5977	36.52	8045	25.71%	5220	14.50%	5898.4	1.33%
12	Kotak Bank	354002.54	1780.5	25.87	1997.55	10.87%	1631	9.17%	1779.5	0.06%
13	L&T	302617.17	2153.75	31.53	2210.5	2.57%	1456.8	47.84%	2160.2	-0.30%
14	Axis Bank	287213.29	933.9	15.67	970	3.72%	618.25	51.06%	935.55	-0.18%
15	Asian Paints	278960.10	2912	76.19	3582.9	18.73%	2560	13.75%	2915.95	-0.14%
16	Maruti Suzuki	255438.42	8454.2	42.1	9769	13.46%	6536.55	29.34%	8369.2	1.02%
17	Sun pharma	247191.65	1031.05	60.4	1070.95	3.73%	784.8	31.38%	1032.85	-0.17%
18	Bajaj Finserv	221292.51	1391	40.48	3724.2	62.65%	1374.35	1.21%	1387.8	0.23%
19	Titan	214719.01	2417.65	68.59	2790	13.35%	1827.15	32.32%	2445.65	-1.14%
20	Ultratech Cemen	208975.80	7244.95	31.35	7946	8.82%	5157.05	40.49%	7153.35	1.28%
21	Nestle	190752.20	19782.3	88.1	21050	6.02%	16000	23.64%	19873.25	-0.46%
22	M&M	158785.37	1327.55	16.12	1366.55	2.85%	671.15	97.80%	1319.9	0.58%
23	Tata Steel	147293.60	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%

=QUERY('Data Set'!A1:J, "select * where D < 100 AND D IS NOT NULL order by B Desc",1)

This is the Query which done to get the given task i.e., where PE Ratio < 100 & not blank with descending order with respect to Market Cap.

Task 2: Creating 2 Columns of Industry & NSE/BSE Code & Fetch Data.

Now in this image two columns where created to fetch data from Industry data source.

=ArrayFormula(VLOOKUP(A3:A, 'NSE/BSE Code'!A3:C, 2, 0))												
A	B	C	D	E	F	G	H	I	J	K	L	
1	Task 2 : Creating 2 Columns of Industry & NSE/BSE Code & Fetch Data											
2												
3	Stock	Market cap (in R	Current price	PE Ratio	52 Week High	% Below 52 wee	52 Week Low	% Above 52 Wei	Yesterday Closir	% Change	Industry	NSE/BSE Code
4	Reliance	1620922.44	2467.9	25.09	2856.15	13.59%	2180	13.21%	2471.6	-0.15%	Telecom and oil	RELANCE
5	TCS	1234544.52	3374.2	30.43	4045.5	16.59%	2926	15.32%	3334.6	1.19%	IT	BOM:532540
6	HUL	616301.33	2620.6	63.81	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%	FMCG	HINDUNILVR
7	SBI Bank	535431.32	600.05	13	629.65	4.70%	425	41.19%	595	0.85%	Bank	BOM:500112
8	HDFC	478914.70	2619.25	19.81	2933.8	10.72%	2026	29.28%	2612.8	0.25%	Financial Service	HDFC
9	LIC	450686.76	712.7	23.63	920	22.53%	588	21.21%	705.55	1.01%	Insurance	BOM:543526
10	Airtel	441027.40	764.6	65.86	860.55	11.15%	628.75	21.61%	756.9	1.02%	Telecom	BHARTIARTL
11	Bajaj Finance	361172.64	5977	36.52	8045	25.71%	5220	14.50%	5898.4	1.33%	NBFC	BAJFINANCE
12	Kotak Bank	354002.54	1780.5	25.87	1997.55	10.87%	1631	9.17%	1779.5	0.06%	Bank	KOTAKBANK
13	L&T	302617.17	2153.75	31.53	2210.5	2.57%	1456.8	47.84%	2160.2	-0.30%	Infrastructure	BOM:500510
14	Axis Bank	287213.29	933.9	15.67	970	3.72%	618.25	51.06%	935.55	-0.18%	Bank	AXISBANK
15	Asian Paints	278960.10	2912	76.19	3582.9	18.73%	2560	13.75%	2915.95	-0.14%	Paint	ASIANPAINT
16	Maruti Suzuki	255438.42	8454.2	42.1	9769	13.46%	6536.55	29.34%	8369.2	1.02%	Automobile	MARUTI
17	Sun pharma	247191.65	1031.05	60.4	1070.95	3.73%	784.8	31.38%	1032.85	-0.17%	Pharma	SUNPHARMA
18	Bajaj Finserv	221292.51	1391	40.48	3724.2	62.65%	1374.35	1.21%	1387.8	0.23%	Financial Service	BAJAJFINSV
19	Titan	214719.01	2417.65	68.59	2790	13.35%	1827.15	32.32%	2445.65	-1.14%	Retail	BOM:500114
20	Ultratech Cemen	208975.80	7244.95	31.35	7946	8.82%	5157.05	40.49%	7153.35	1.28%	Cement	ULTRACEMCO
21	Nestle	190752.20	19782.3	88.1	21050	6.02%	16000	23.64%	19873.25	-0.46%	FMCG	NESTLEIND
22	M&M	158785.37	1327.55	16.12	1366.55	2.85%	671.15	97.80%	1319.9	0.58%	Automobile	M&M
23	Tata Steel	147293.60	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470

=ARRAYFORMULA(VLOOKUP(A3:A193,'NSE/BSE Code'!A3:C,2,0))

- The above function is used for fetching data from Industry column.

=ARRAYFORMULA(VLOOKUP(A3:A193,'NSE/BSE Code'!A3:C,3,0))

- The above function is used for fetching data from NSE/BSE Code column.
- To limit data for lookup below function can be helpful.

= ARRAYFORMULA (IF(A3:A <> "",VLOOKUP(A3:A,'NSE/BSE Code'!A3:C,3,0),""))

Task 3: Create 2 More Columns "Bear Mode 1" & "Bear Mode 2" with IF ELSE Condition and Stock Status with multiple IF Conditions.

Task 3 : Create 2 More Columns "Bear Mode 1" & "Bear Mode 2" with IF ELSE Condition and Stock Status with multiple IF Conditions.													
Stock	Market cap (in R)	Current price	PE Ratio	52 Week High	% Below 52 we	52 Week Low	% Above 52 We	Yesterday Closi	% Change	Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2
Reliance	1620922.44	2467.9	25.09	2856.15	13.59%	2180	13.21%	2471.6	-0.15%	Telecom and oil	RELIANCE	No	
TCS	1234544.52	3374.2	30.43	4045.5	16.59%	2926	15.32%	3334.6	1.19%	IT	BOM:532540	No	
HUL	616301.33	2620.6	63.81	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%	FMCG	HINDUNILVR	No	
SBI Bank	535431.32	600.05	13	629.65	4.70%	425	41.19%	595	0.85%	Bank	BOM:500112	No	
HDFC	478914.70	2619.25	19.81	2933.8	10.72%	2026	29.28%	2612.8	0.25%	Financial Service	HDFC	No	
LIC	450686.76	712.7	23.63	920	22.53%	588	21.21%	705.55	1.01%	Insurance	BOM:543526	No	
Airtel	441027.40	764.6	65.86	860.55	11.15%	628.75	21.61%	756.9	1.02%	Telecom	BHARTIARTL	No	Yes
Bajaj Finance	361172.64	597.7	36.52	804.5	25.71%	5220	14.50%	5898.4	1.33%	NBFC	BAJFINANCE	No	Yes
Kotak Bank	354002.54	1780.5	25.87	1997.55	10.87%	1631	9.17%	1779.5	0.06%	Bank	KOTAKBANK	No	Yes
L&T	302617.17	2153.75	31.53	2210.5	2.57%	1456.8	47.84%	2160.2	-0.30%	Infrastructure	BOM:500510	No	No
Axis Bank	287213.29	933.9	15.67	970	3.72%	618.25	51.06%	935.55	-0.18%	Bank	AXISBANK	No	No
Asian Paints	278960.10	2912	76.19	3582.9	18.73%	2560	13.75%	2915.95	-0.14%	Paint	ASIANPAINT	No	Yes
Maruti Suzuki	255438.42	8454.2	42.1	9769	13.46%	6536.55	29.34%	8369.2	1.02%	Automobile	MARUTI	No	Yes
Sun pharma	247191.65	1031.05	60.4	1070.95	3.73%	784.8	31.38%	1032.85	-0.17%	Pharma	SUNPHARMA	No	No
Bajaj Finserv	221292.51	1391	40.48	3724.2	62.65%	1374.35	1.21%	1387.8	0.23%	Financial Service	BAJAJFINSV	Yes	Yes
Titan	214719.01	2417.65	68.59	2790	13.35%	1827.15	32.32%	2445.65	-1.14%	Retail	BOM:500114	No	No
Ultratech Cement	208975.80	7244.95	31.35	7946	8.82%	5157.05	40.49%	7153.35	1.28%	Cement	ULTRACEMCO	No	No
Nestle	190752.20	19782.3	88.1	21050	6.02%	16000	23.64%	19873.25	-0.46%	FMCG	NESTLEIND	No	Yes
M&M	158785.37	1327.55	16.12	1366.55	2.85%	671.15	97.80%	1319.9	0.58%	Automobile	M&M	No	No
Tata Steel	147293.60	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470	No	No
SBI life Insurance	130568.99	1307	78.07	1340.35	2.49%	1003.5	30.24%	1315.7	-0.66%	Insurance	SBI LIFE	No	No
HDFC life Insurance	129917.60	604	85.12	678.8	11.02%	497.05	21.52%	598.4	0.94%	Insurance	HDFCLIFE	No	Yes
Pidilite Industries	127340.00	2513	98.38	2918.95	13.91%	1988.55	26.37%	2495.5	0.70%	Chemical	PIDILITIND	No	Yes

In this solution, formula is used to generate Bear Mode 1 & 2 with the given condition.

= ARRAYFORMULA (IF(A4:A <> "",IF(F4:F > 30%,"Yes","No"),""))

- Bear Mode 1 : % 52 Week High

= ARRAYFORMULA (IF(A4:A <> "",IF(H4:H < 30%,"Yes","No"),""))

- Bear Mode 2 : % 52 Week Low

=ARRAYFORMULA(IF(A4:A <> "",IF((D4:D < 65)*(M4:M = "No")*(N4:N = "No"),"Good Stock",""),""))

- This above formula generate for Stock Status with Multiple IF as given.

O4 =ARRAYFORMULA(IF(A4:A <> "",IF((D4:D < 65)*(M4:M = "No")*(N4:N = "No"),"Good Stock",""),""))

Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2	Stock Status
Telecom and oil	RELI			
IT	BOM			
FMCG	HIND			Good Stock
Bank	BOM			Good Stock
Financial Service	HDFC			
Insurance	BOM:543526	No	Yes	
Telecom	BHARTIARTL	No	Yes	

Task 4: find out the highest value and categorize.

=ArrayFormula(IF(A4:A <> "", B4:B/LARGE(B:B,1)*100,""))

- For Reference :- new column made for self understand & reference (Market cap (in Rs Cr.)) i.e Cap Size in %.

Bear Mode 1	Bear Mode 2	Stock Status	Cap Size (for Re	Cap Size
No	Yes	-	100.00	Large Cap Stock
No	Yes	-	76.16	Large Cap Stock
No	No	Good Stock	38.02	Low Cap Stock
No	No	Good Stock	33.03	Low Cap Stock
No	Yes	-	29.55	Low Cap Stock
No	Yes	-	27.80	Low Cap Stock
No	Yes	-	27.21	Low Cap Stock
No	Yes	-	22.28	Low Cap Stock
No	Yes	-	21.84	Low Cap Stock

=B4/LARGE(B:B,1)*100 > 60

- To find out highest value of the Market cap.

= ARRAYFORMULA (IF(A4:A193 <> "",IF((B4:B/LARGE(B:B,1)*100 >= 60),"Large Cap Stock",IF((B4:B/LARGE(B:B,1)*100 < 60)*(B4:B/LARGE(B:B,1)*100 >= 40),"Medium Cap Stock",IF((B4:B/LARGE(B:B,1)*100 < 40)*(B4:B/LARGE(B:B,1)*100 >= 0),"Low Cap Stock","-"))),""))

- Categorizing with the help of Highest Value :- 60% and Above (Large Cap Stock); 60% to 40% (Medium Cap Stock); 40% and below (Low Cap Stock).

Source Sheet & Conditional Formatting Colour Scales.

	I	J	K	L	M	N	O	P	Q	R	S	T
	Yesterday Closir	% Change	Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2	Stock Status	Cap Size (for Re	Cap Size			
21%	2471.6	-0.15%	Telecom and oil	RELIANCE	No	Yes	-	100.00	Large Cap Stock			
32%	3334.6	1.19%	IT	BOM:532540	No	Yes	-	76.16	Large Cap Stock			
31%	2590.05	1.18%	FMCG	HINDUNILVR	No	No	Good Stock	38.02	Low Cap Stock			
19%	595	0.85%	Bank	BOM:500112	No	No	Good Stock	33.03	Low Cap Stock			
28%	2612.8	0.25%	Financial Service	HDFC	No	Yes	-	29.55	Low Cap Stock			
21%	705.55	1.01%	Insurance	BOM:543526	No	Yes	-	27.80	Low Cap Stock			
31%	756.9	1.02%	Telecom	BHARTIARTL	No	Yes	-	27.21	Low Cap Stock			
50%	5898.4	1.33%	NBFC	BAJFINANCE	No	Yes	-	22.28	Low Cap Stock			
17%	1779.5	0.06%	Bank	KOTAKBANK	No	Yes	-	21.84	Low Cap Stock			
34%	2160.2	-0.30%	Infrastructure	BOM:500510	No	No	Good Stock	18.67	Low Cap Stock			
06%	935.55	-0.18%	Bank	AXISBANK	No	No	Good Stock	17.72	Low Cap Stock			
75%	2915.95	-0.14%	Paint	ASIANPAINT	No	Yes	-	17.21	Low Cap Stock			

Task 5: Create a new sheet & fetch all Data where Stock Status = 'Good Stock', Proper Formatting like the Data Source Sheet & Conditional Formatting Color Scales.

=QUERY(Tasks!A3:Q193, "select * where O = 'Good Stock'",1)

- By this query, the data is fetch with the condition given only the stock which is Status is 'Good Stock'.

A1	=QUERY(Tasks!A3:Q193, "select * where O = 'Good Stock'",1)															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Stock	Market cap (in Rs Cr.)	Current price	PE Ratio	52 Week High	% Below 52 week	52 Week Low	% Above 52 Week	Yesterday Closing	% Change	Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2	Stock Status	Cap Size
2	HUL	616301.33	2620.6	63.81	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%	FMCG	HINDUNILVR	No	No	Good Stock	Low Cap Stock
3	SBI Bank	535431.32	600.05	13	629.65	4.70%	425	41.19%	595	0.85%	Bank	BOM:500112	No	No	Good Stock	Low Cap Stock
4	L&T	302617.17	2153.75	31.53	2210.5	2.57%	1456.8	47.84%	2160.2	-0.30%	Infrastructure	BOM:500510	No	No	Good Stock	Low Cap Stock
5	Axis Bank	287213.29	933.9	15.67	970	3.72%	618.25	51.06%	935.55	-0.18%	Bank	AXISBANK	No	No	Good Stock	Low Cap Stock
6	Sun pharma	247191.65	1031.05	60.4	1070.95	3.73%	784.8	31.38%	1032.85	-0.17%	Pharma	SUNPHARMA	No	No	Good Stock	Low Cap Stock
7	Ultratech Cement	208975.80	7244.95	31.35	7946	8.82%	5157.05	40.49%	7153.35	1.28%	Cement	ULTRACEMCO	No	No	Good Stock	Low Cap Stock
8	M&M	158785.37	1327.55	16.12	1366.55	2.85%	671.15	97.80%	1319.9	0.58%	Automobile	M&M	No	No	Good Stock	Low Cap Stock
9	Tata Steel	147293.80	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470	No	No	Good Stock	Low Cap Stock
10	Ambuja Cement	102995.36	518.7	57.36	598.15	13.28%	274	89.31%	510.4	1.83%	Cement	BOM:500425	No	No	Good Stock	Low Cap Stock
11	Bank of Baroda	95565.88	184.9	9.72	197.2	6.24%	89.9	105.67%	181.8	1.71%	Bank	BOM:532134	No	No	Good Stock	Low Cap Stock
12	Godrej Consumer	93678.68	916.75	58.81	955.65	4.07%	660.2	38.86%	914.9	0.20%	FMCG	BOM:532424	No	No	Good Stock	Low Cap Stock
13	Shree Cement	87098.03	24025	54.11	27936.75	14.00%	17865.2	34.48%	23854.85	0.71%	Cement	SHREECEM	No	No	Good Stock	Low Cap Stock
14	Eicher Motor	86543.23	3164.9	37.12	3889.65	18.63%	2159.55	46.55%	3103.25	1.99%	Automobile	EICHERMOT	No	No	Good Stock	Low Cap Stock
15	Varun Beverage	73698.48	1134.8	51.22	1432.05	20.76%	557.23	103.65%	1187.3	-4.42%	Food	BOM:540180	No	No	Good Stock	Low Cap Stock
16	Yesbank	57937.94	20.15	45.52	24.75	18.59%	12.11	66.39%	19.9	1.26%	Bank	BOM:532648	No	No	Good Stock	Low Cap Stock
17	PI industries	49475.63	3262	48.33	3698.45	11.80%	2333.55	39.79%	3292.65	-0.93%	Agrochemical	PIIND	No	No	Good Stock	Low Cap Stock
18	TVS	47610.86	999.5	39.03	1177	15.08%	513	94.83%	1005.2	-0.57%	Automobile	BOM:532343	No	No	Good Stock	Low Cap Stock
19	Abbott India	47348.12	22241	53.6	22499	1.15%	15514	43.36%	22162.55	0.35%	Pharma	ABBOTINDIA	No	No	Good Stock	Low Cap Stock
20	Balkrishna Indust	43195.87	2229	30.72	2537.45	12.16%	1690.55	31.85%	2214.25	0.67%	Tyre	BALKRISIND	No	No	Good Stock	Low Cap Stock
21	Polycab	39945.40	2662	35.5	3025	12.00%	2043.85	30.24%	2677.05	-0.56%	Consumer Electri	POLYCAB	No	No	Good Stock	Low Cap Stock
22	Solar Industries	38859.14	4338	63.66	4535.95	4.36%	2160.05	100.83%	4340.15	-0.05%	Defence	BOM:532725	No	No	Good Stock	Low Cap Stock
23	APL Apollo	31477.05	1136	54.9	1193.85	4.85%	771	47.34%	1127.95	0.71%	Steel	BOM:533758	No	No	Good Stock	Low Cap Stock
24	Supreme Industri	31369.92	2461	36.12	2607.65	5.62%	1666.25	47.70%	2452.7	0.34%	Plastic	SUPREMEIND	No	No	Good Stock	Low Cap Stock
25	Federal Bank	29278.49	138.45	11.78	142.25	2.67%	82.5	67.82%	135.05	2.52%	Bank	BOM:500469	No	No	Good Stock	Low Cap Stock
26	Sumitomo Chemi	24637.83	493.2	48.9	540.8	8.80%	351.5	40.31%	487.95	1.08%	Agrochemical	SUMICHEM	No	No	Good Stock	Low Cap Stock
27	J K Cement	22430.59	2900.45	36.07	3646.25	20.45%	2005	44.66%	2905.9	-0.19%	Cement	BOM:532644	No	No	Good Stock	Low Cap Stock
28	LIC Housing Fina	22159.27	402.9	6.85	443.5	9.15%	291.75	38.10%	400.2	0.67%	NBFC	BOM:500253	No	No	Good Stock	Low Cap Stock

- After fetching data, appropriate condition formatting with different color scales to look data attractive.
- Now it Final Organized Data which will be use to make Dashboard.

Stock	Market cap (in Rs Cr.)	Current price	PE Ratio	52 Week High	% Below 52 week high	52 Week Low	% Above 52 Week low	Yesterday Closing Price	% Change	Industry	NSE/BSE Code	Bear Mode 1	Bear Mode 2	Stock Status	Cap Size (for Reference in \$)	Cap Size
HUL	616301.33	2620.6	63.81	2741.6	4.41%	1901.55	37.81%	2590.05	1.18%	FMCG	HINDUNILVR	No	No	Good Stock	58.02	Low Cap S
SBI Bank	535431.32	600.05	13	629.65	4.70%	425	41.19%	595	0.85%	Bank	BOM:500112	No	No	Good Stock	33.03	Low Cap S
L&T	302617.17	2153.75	31.53	2210.5	2.57%	1456.8	47.84%	2160.2	-0.30%	Infrastructure	BOM:500510	No	No	Good Stock	18.67	Low Cap S
Axis Bank	287213.29	933.9	15.67	970	3.72%	618.25	51.06%	935.55	-0.18%	Bank	AXISBANK	No	No	Good Stock	17.72	Low Cap S
Sun pharma	247191.65	1031.05	60.4	1070.95	3.73%	784.8	31.38%	1032.85	-0.17%	Pharma	SUNPHARMA	No	No	Good Stock	15.25	Low Cap S
Ultratech Cement	208975.80	7244.95	31.35	7946	8.82%	5157.05	40.49%	7153.35	1.28%	Cement	ULTRACEMCO	No	No	Good Stock	12.89	Low Cap S
M&M	158785.37	1327.55	16.12	1366.55	2.85%	671.15	97.80%	1319.9	0.58%	Automobile	M&M	No	No	Good Stock	9.80	Low Cap S
Tata Steel	147293.80	120.45	5.13	138.63	13.11%	82.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470	No	No	Good Stock	9.09	Low Cap S
Ambuja Cement	102995.36	518.7	57.36	598.15	13.28%	274	89.31%	510.4	1.83%	Cement	BOM:500425	No	No	Good Stock	6.35	Low Cap S
Bank of Baroda	95565.88	184.9	9.72	197.2	6.24%	89.9	105.67%	181.8	1.71%	Bank	BOM:532134	No	No	Good Stock	5.90	Low Cap S
Godrej Consumer	93678.68	916.75	58.81	955.65	4.07%	660.2	38.86%	914.9	0.20%	FMCG	BOM:532424	No	No	Good Stock	5.78	Low Cap S
Shree Cement	87098.03	24025	54.11	27936.75	14.00%	17865.2	34.48%	23854.85	0.71%	Cement	SHREECEM	No	No	Good Stock	5.37	Low Cap S
Eicher Motor	86543.23	3164.9	37.12	3889.65	18.63%	2159.55	46.55%	3103.25	1.99%	Automobile	EICHERMOT	No	No	Good Stock	5.34	Low Cap S
Varun Beverage	73698.48	1134.8	51.22	1432.05	20.76%	557.23	103.65%	1187.3	-4.42%	Food	BOM:540180	No	No	Good Stock	4.55	Low Cap S
Yesbank	57937.94	20.15	45.52	24.75	18.59%	12.11	66.39%	19.9	1.26%	Bank	BOM:532648	No	No	Good Stock	3.57	Low Cap S
PI industries	49475.63	3262	48.33	3698.45	11.80%	2333.55	39.79%	3292.65	-0.93%	Agrochemical	PIIND	No	No	Good Stock	3.05	Low Cap S
TVS	47610.86	999.5	39.03	1177	15.08%	513	94.83%	1005.2	-0.57%	Automobile	BOM:532343	No	No	Good Stock	2.94	Low Cap S
Abbott India	47348.12	22241	53.6	22499	1.15%	15514	43.36%	22162.55	0.35%	Pharma	ABBOTINDIA	No	No	Good Stock	2.92	Low Cap S
Balkrishna Industries	43195.87	2229	30.72	2537.45	12.16%	1690.55	31.85%	2214.25	0.67%	Tyre	BALKRISIND	No	No	Good Stock	2.66	Low Cap S
Polycab	39945.40	2662	35.5	3025	12.00%	2043.85	30.24%	2677.05	-0.56%	Consumer Electrical	POLYCAB	No	No	Good Stock	2.46	Low Cap S
Solar Industries	38859.14	4338	63.66	4535.95	4.36%	2160.05	100.83%	4340.15	-0.05%	Defence	BOM:532725	No	No	Good Stock	2.40	Low Cap S
APL Apollo	31477.05	1136	54.9	1193.85	4.85%	771	47.34%	1127.95	0.71%	Steel	BOM:533758	No	No	Good Stock	1.94	Low Cap S
Supreme Industries	31369.92	2461	36.12	2607.65	5.62%	1666.25	47.70%	2452.7	0.34%	Plastic	SUPREMEIND	No	No	Good Stock	1.94	Low Cap S
Federal Bank	29278.49	138.45	11.78	142.25	2.67%	82.5	67.82%	135.05	2.52%	Bank	BOM:500469	No	No	Good Stock	1.81	Low Cap S
Sumitomo Chemicals	24637.83	493.2	48.9	540.8	8.80%	351.5	40.31%	487.95	1.08%	Agrochemical	SUMICHEM	No	No	Good Stock	1.52	Low Cap S
J K Cement	22430.59	2900.45	36.07	3646.25	20.45%	2005	44.66%	2905.9	-0.19%	Cement	BOM:532644	No	No	Good Stock	1.38	Low Cap S
LIC Housing Finance	22159.27	402.9	6.85	443.5	9.15%	291.75	38.10%	400.2	0.67%	NBFC	BOM:500253	No	No	Good Stock	1.37	Low Cap S
Endurance Technology	19679.44	1398.5	42.23	1756.15	19.45%	1047.2	33.55%	1401.15	-0.19%	Automobile Ancillary	ENDURANCE	No	No	Good Stock	1.21	Low Cap S
KPIT	18827.95	696.3	59.82	764.25	8.89%	440	58.25%	692.45	0.56%	IT	BOM:542651	No	No	Good Stock	1.16	Low Cap S
FineOxionics	17277.20	5630	32.19	7638.75	23.18%	4574.1	62.85%	5672.25	-0.74%	Chemical	FINEORG	No	No	Good Stock	1.07	Low Cap S

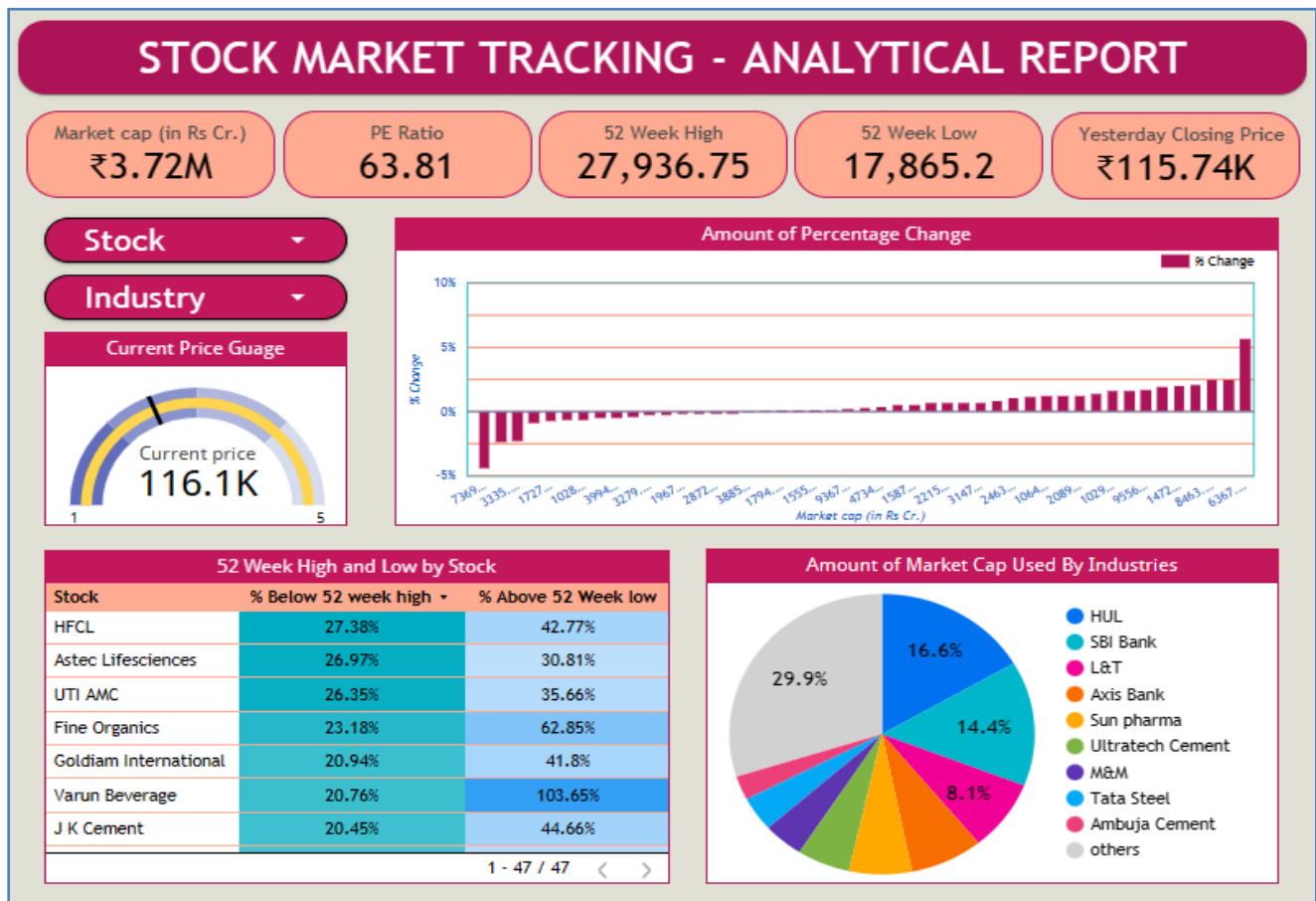
2.) Report Dashboarding

Task 1: Connect the Data Source Sheet which you created above in Task 5 to Google Data Studio.

- For creating Dashboard, Successfully connected to Google Data Studio with Final Organized Data.

Task 2: The Report Dashboard should have the Following:

- This is the Dashboard report for our Final Organized Data.



- In this Dashboard we have two dropdown control which will filtered out the data visualize.
- Scorecard charts, table with heatmap, etc. are used to track report.
- Below URL is to view the Dashboard.**

<https://lookerstudio.google.com/reporting/86df399a-aa65-4e58-814a-cd389fbaadb1>

3.) Google Script task

- From Data Source to DB, all data has been fetched.
- In app script 1st run has successfully executed.

A1:B2		fx Pune
	A	B
1	Employee Name	Location
2	Emp A	Pune
3		

- Then from A2 to A4 and B2 to B4 next by next script run.

Apps Script Task : 3

Files
AZ +
Code.gs
Libraries +
Services +

```

1  function myFunction() {
2      var ss = SpreadsheetApp.getActiveSpreadsheet();
3
4      var sheet = ss.getSheetByName("Source");
5      var pasteSheet = ss.getSheetByName("DB");
6
7      var empnm = sheet.getRange("A4").getValue();
8      var loc = sheet.getRange("B4").getValue();
9
10     pasteSheet.getRange("A4").setValue(empnm);
11     pasteSheet.getRange("B4").setValue(loc);

```

Execution log

1:10:09 PM	Notice	Execution started
1:10:10 PM	Notice	Execution completed

- Then from A2 to A4 and B2 to B4 next by next script run.
- All the data has been successfully fetched as same as in given in data source.

Assessment (Google App Script Task): Training

File Edit View Insert Format Data Tools Extensions Help			
<div> <div> 100% </div> <div> \$ % .0 .00 123 </div> <div> Default... </div> </div>			
D14	fx		
	A	B	
1	Employee Name	Location	
2	Emp A	Pune	
3	Emp B	Mumbai	
4	Emp C	Delhi	
5			
6			
7			