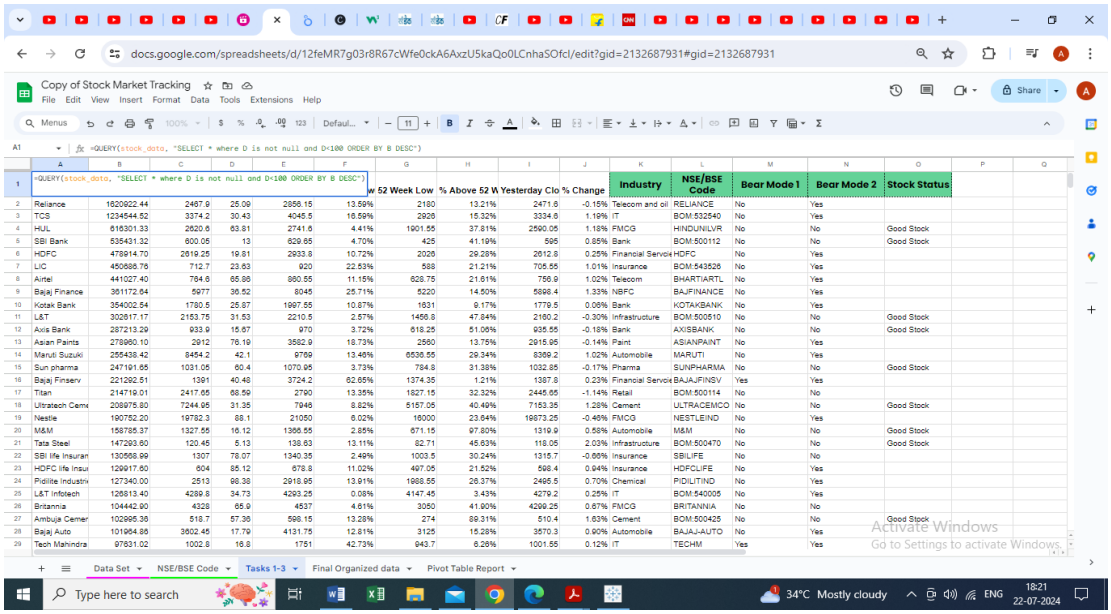
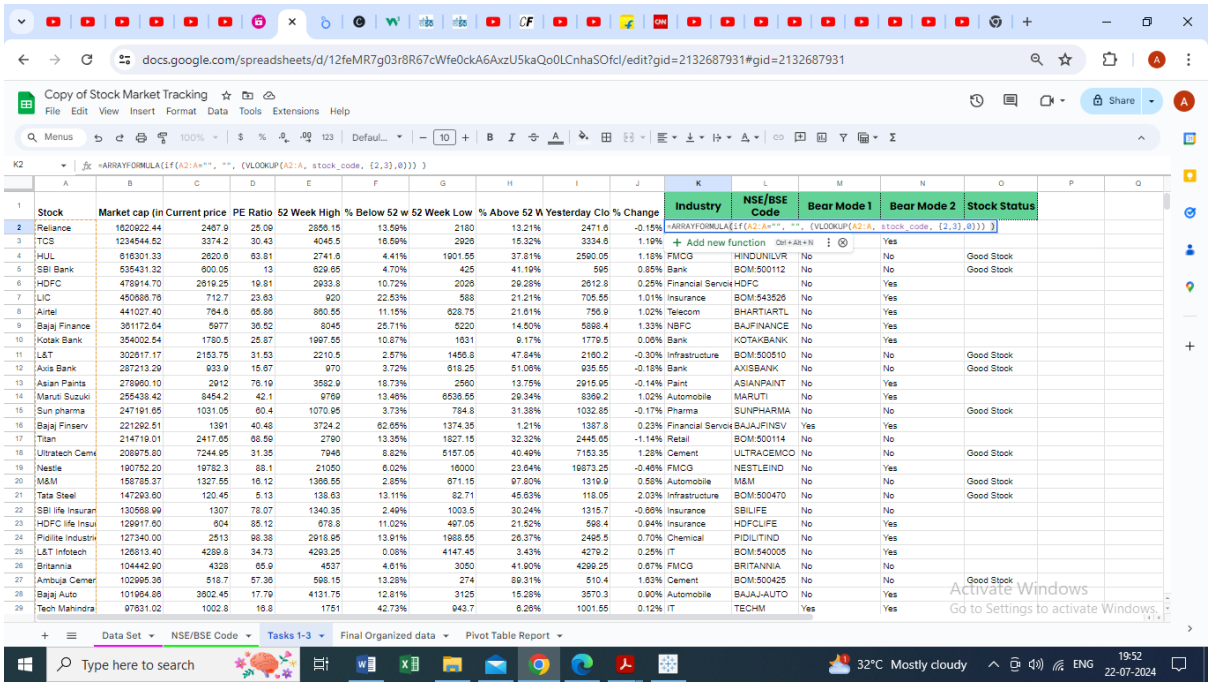
Stock Market Tracking Solution Report

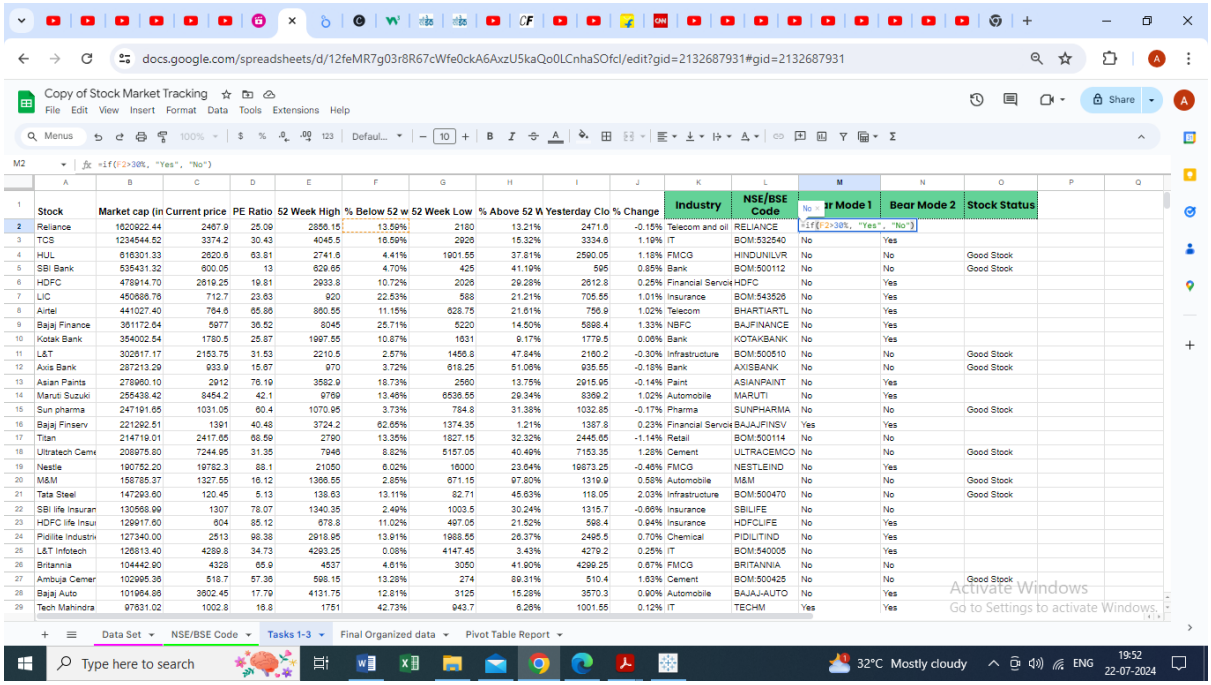
- Task 1: Selected filtered data using query function in cell A1 in new sub sheet named “Tasks 1-3” . Function applied is =QUERY(stock_data, "SELECT * where D is not null and D<100 ORDER BY B DESC") where stock_data is the name range created on data in sheet “Data Set”

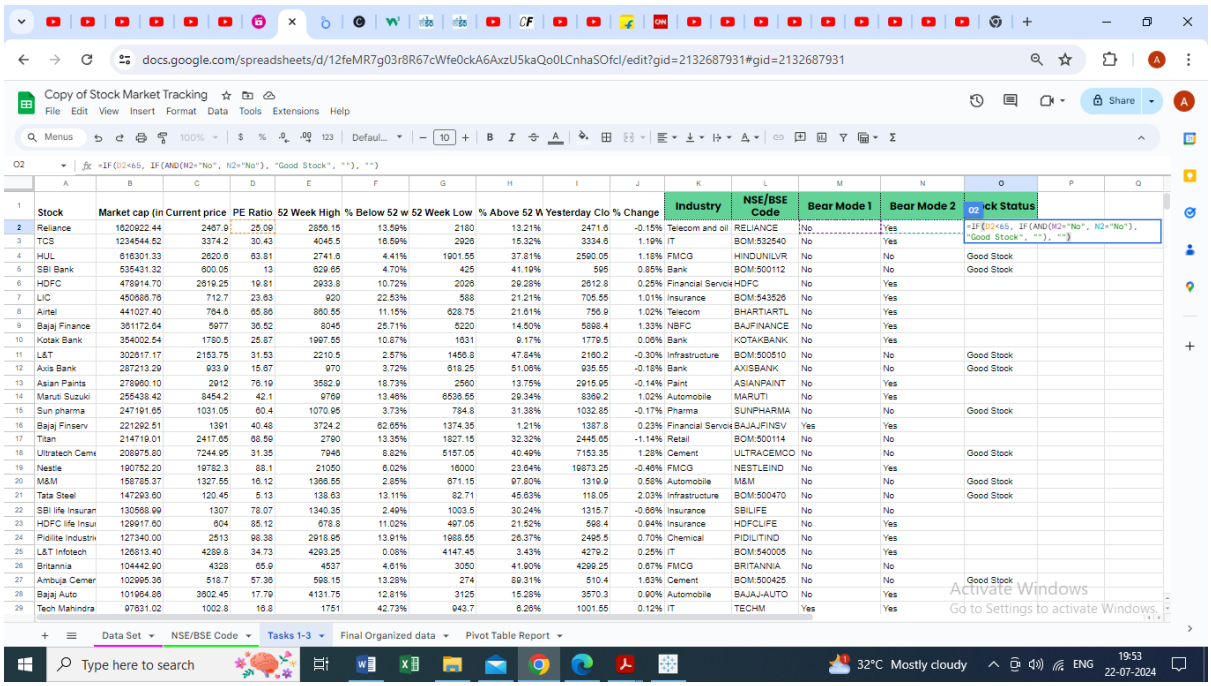


- Task 2: Created 2 new columns Industry & NSE/BSE code. Applied IF + Vlook up function in cell K2 to fetch Industry & NSE/BSE code from sheet “NSE/BSE code” against every stock. In the same formula applied Array Formula. Full Formula applied in cell K2 is =ARRAYFORMULA(if(A2:A="", "", (VLOOKUP(A2:A, stock_code, {2,3},0)))) where stock_code is the name range created on data in sheet “NSE/BSE code”

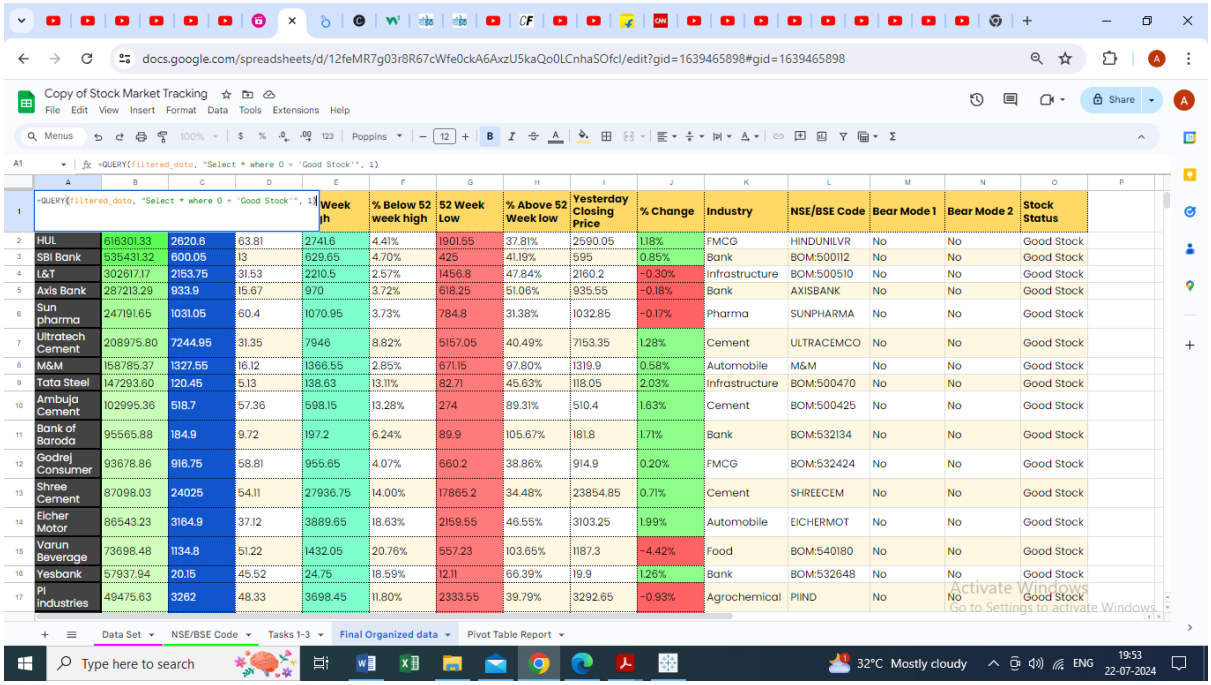


- Task 3: Created 2 more new columns “Bear Mode 1” & “Bear Mode 2” and applied IF condition to filter data as per conditions given in Task 3. Then created a new column “Stock Status” and applied multiple IF conditions =IF(D2<65, IF(AND(M2="No", N2="No"), "Good Stock", ""), "") in Cell O2 to determine stock status



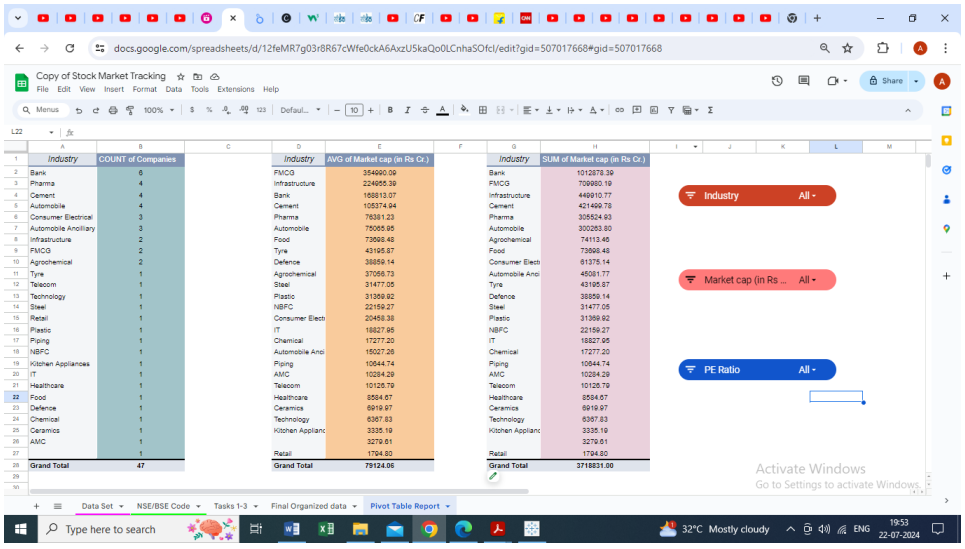


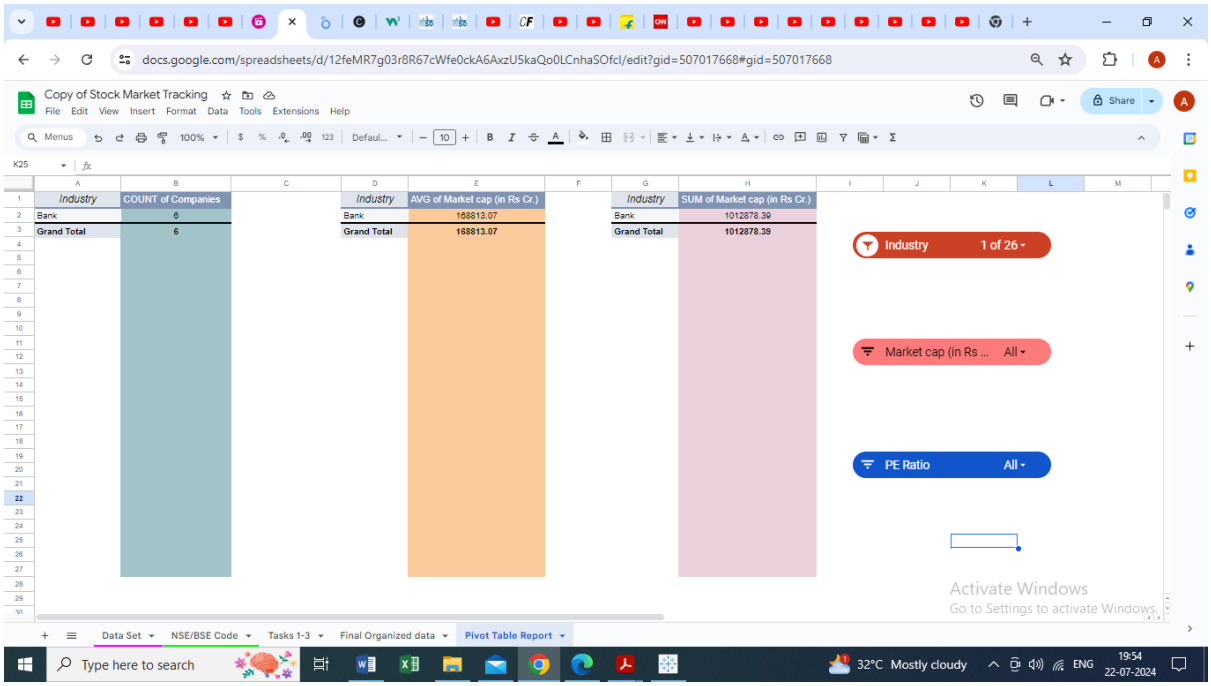
- Task 4: Created a new sheet “Final organized data” and applied query function =QUERY (filtered_data, "Select * where O = 'Good Stock'", 1) to fetch data having “Stock Status” = 'Good Stock' from sheet “Tasks 1-3”. Here filtered_data is the name range given to data in sheet “Tasks 1-3”



	=QUERY(filtered_data, "Select * where O = 'Good Stock'", 1)			Week h	% 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
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
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
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
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
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
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
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
9	Tata Steel	147293.60	120.45	5.13	138.63	13.11%	92.71	45.63%	118.05	2.03%	Infrastructure	BOM:500470	No	No	Good Stock
10	Ambuja Cement	102995.36	518.7	57.36	598.15	13.28%	274	89.31%	510.4	1.63%	Cement	BOM:500425	No	No	Good 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
12	Godrej Consumer	93678.86	916.75	58.81	955.65	4.07%	660.2	38.86%	914.9	0.20%	FMCG	BOM:532424	No	No	Good 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
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
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
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
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

- Task 5: Created 3 pivot tables based on “Final Organized data” sheet – Industry wise count of companies, Industry wise average market cap, Industry wise sum of market cap. From pivot table Data analysis we can see that Banking industry has max count of companies in the data, FMCG industry has the highest avg. market cap whereas Banking industry has the highest sum by market cap in the given data. Also created 3 slicers namely Industry, Market cap & PE ratio so that one can filter data in pivot table based on a particular industry or single out particular company of an industry based on market cap or PE ratio

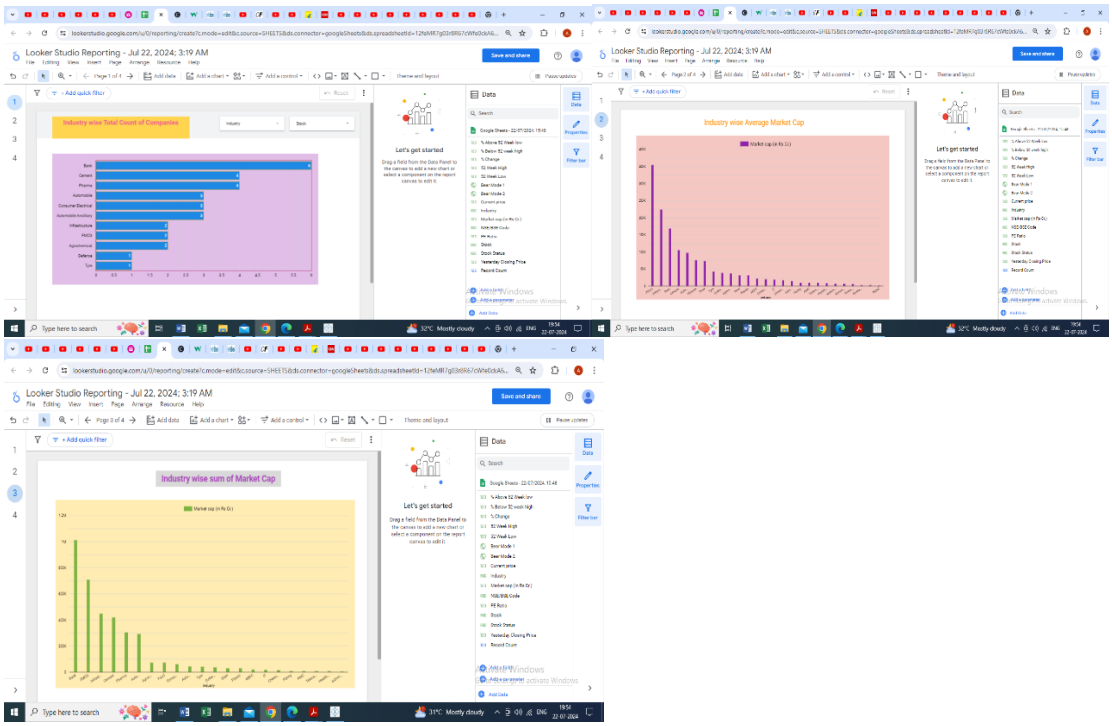




Pivot Tables with Filter applied for Bank industry

Data Studio

Next , created 3 charts in Data Studio taking same Dimension & metric i.e. Industry wise count of companies, Industry wise average market cap, Industry wise sum of market cap each on a separate page numbered 1,2,3. For industry wise count of companies created horizontal Bar graph while for the other 2 charts created vertical Bar graphs. In the end created a Dynamic report dashboard in sheet no. 4 in Data Studio with same slicers as created for pivot table in google sheets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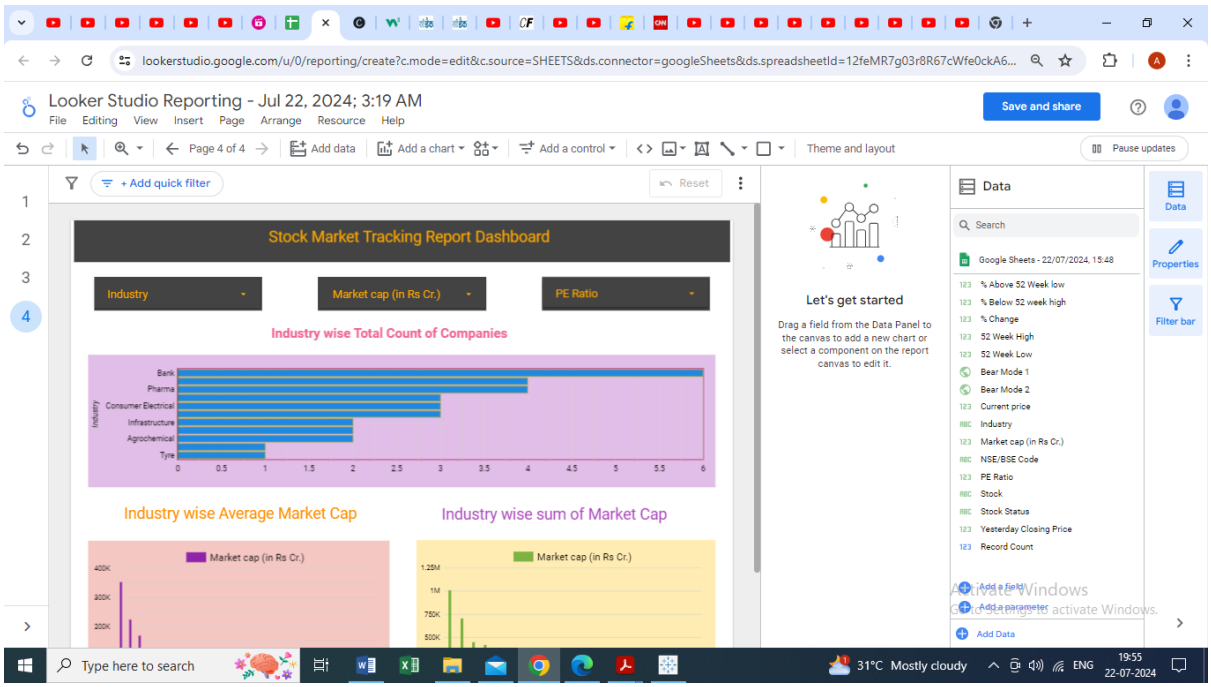
Industry wise Total Count of Companies
Industry wise Average Market Cap
Industry wise sum of Market Cap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File Editing View Insert Page Arrange Resource Help
Save and share
Page 4 of 4
Add data
Add a chart
Add a control
Theme and layout
Pause updates
+ Add quick filter
Reset
Stock Market Tracking Report Dashboard
Industry
Market cap (in Rs Cr.)
PE Ratio
Industry wise Total Count of Companies
Bank
Pharma
Consumer Electrical
Infrastructure
Agrochemical
Tyre
Industry wise Average Market Cap
Industry wise sum of Market Cap
Market cap (in Rs Cr.)
Let's get started
Drag a field from the Data Panel to the canvas to add a new chart or select a component on the report canvas to edit it.
Data
Search
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% Above 52 Week low
% Below 52 week high
% Change
52 Week High
52 Week Low
Bear Mode 1
Bear Mode 2
Current price
Industry
Market cap (in Rs Cr.)
NSE/BSE Code
PE Ratio
Stock
Stock Status
Yesterday Closing Price
Record Count
Add a field
Add a parameter
Add Data
Data
Properties
Filter bar
Activate Windows
Go to Settings to activate Windows.
Type here to search
31°C Mostly cloudy
ENG
19:55
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