

Questions

Enter your question here:

generate a query region custsegment
wise total revenues



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Show Query History



DATA SAGE COPILOT ECONET



Query 1

Question: "List all the different device types and the number of users for each type in January 2023."

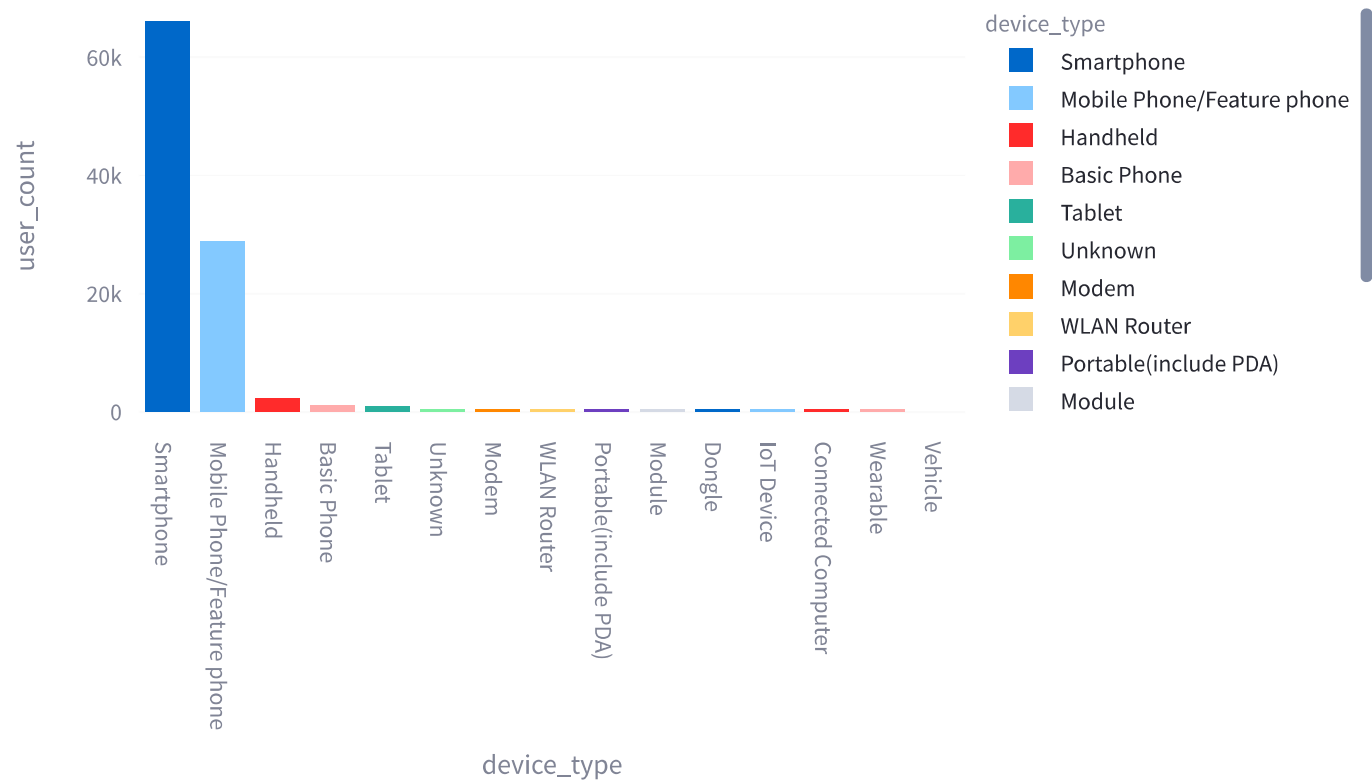
SQL Query: `SELECT t.device_type, COUNT(DISTINCT t.calling_nbr) AS user_count FROM telecom_data_v3 t WHERE t.part_month = 'Jan-23' GROUP BY t.device_type ORDER BY user_count DESC NULLS LAST;`

Query Result:

	device_type	user_count
0	Smartphone	66,138
1	Mobile Phone/Feature p	28,772
2	Handheld	2,281
3	Basic Phone	1,041
4	Tablet	950
5	Unknown	225
6	Modem	213
7	WLAN Router	93
8	Portable(include PDA)	92
9	Module	72

Result:

user_count by device_type



Query 2

Question: Can you find the average data volume per subscriber in each geographic region?

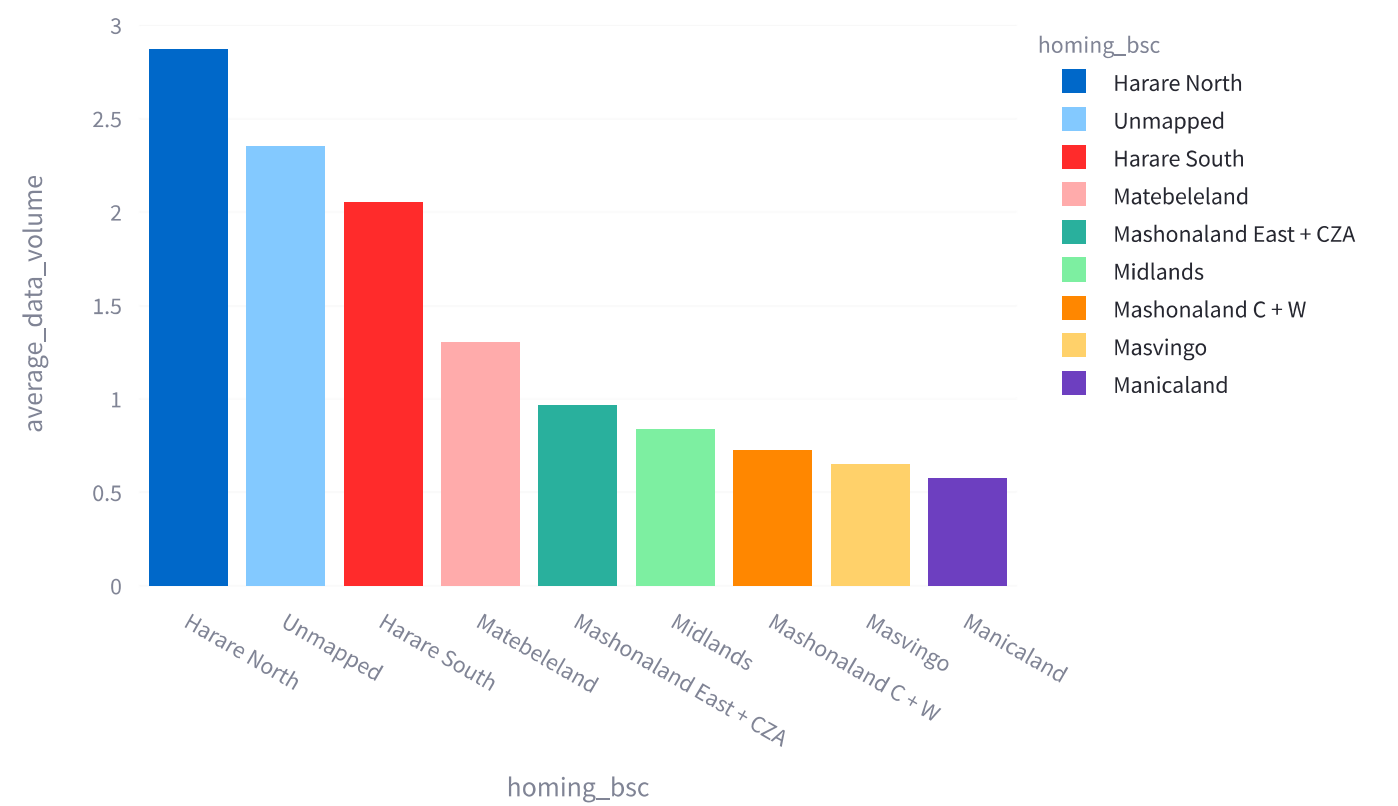
SQL Query: `SELECT t.homing_bsc, AVG(t.data_volume_gb) AS average_data_volume FROM telecom_data_v3 t GROUP BY t.homing_bsc ORDER BY average_data_volume DESC NULLS LAST;`

Query Result:

	homing_bsc	average_data_volume
0	Harare North	2.8683
1	Unmapped	2.353
2	Harare South	2.0517
3	Matebeleland	1.3022
4	Mashonaland East + CZA	0.9643
5	Midlands	0.8356
6	Mashonaland C + W	0.7215
7	Masvingo	0.6489
8	Manicaland	0.5731

Result:

average_data_volume by homing_bsc



Query 3

Question: What is the total revenue generated in each geographic region?

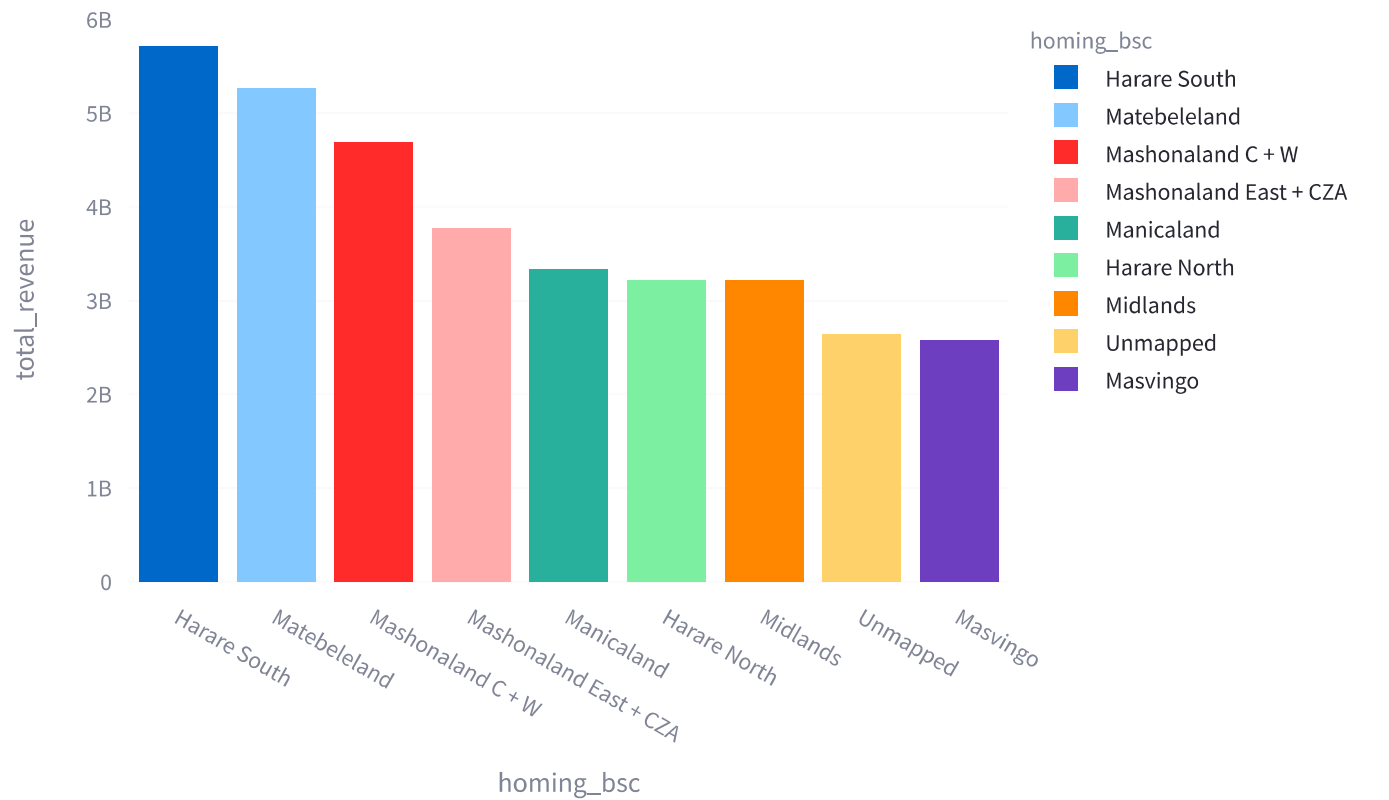
SQL Query: SELECT t.homing_bsc, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.homing_bsc ORDER BY total_revenue DESC NULLS LAST;

Query Result:

	homing_bsc	total_revenue
0	Harare South	5,719,153,904.2338
1	Matebeleland	5,266,412,536.0632
2	Mashonaland C + W	4,684,705,256.4287
3	Mashonaland East + CZA	3,773,228,283.7695
4	Manicaland	3,334,284,493.1371
5	Harare North	3,214,697,414.6082
6	Midlands	3,209,206,545.3152
7	Unmapped	2,643,800,079.3425
8	Masvingo	2,572,429,991.8271

Result:

total_revenue by homing_bsc



Query 4

Question: generate a query month wise overall custsegment wise total revenues

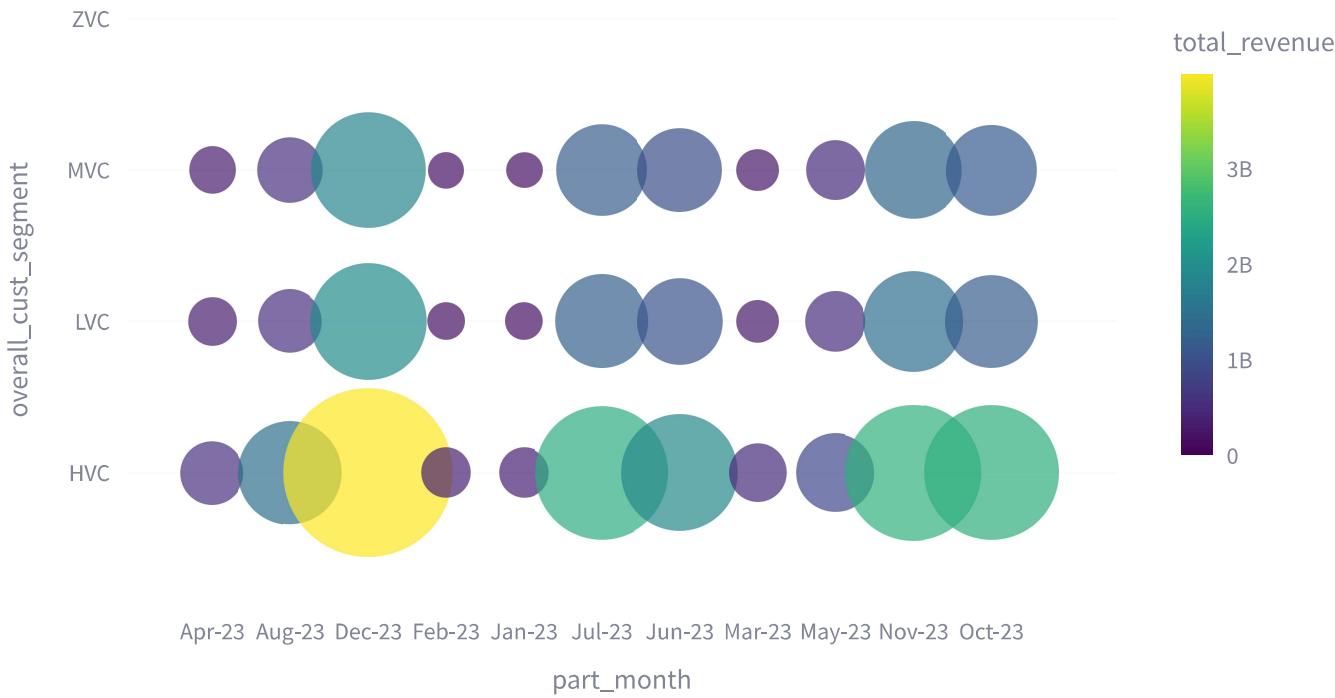
SQL Query: SELECT t.part_month, t.overall_cust_segment, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.part_month, t.overall_cust_segment ORDER BY t.part_month, t.overall_cust_segment;

Query Result:

	part_month	overall_cust_segment	total_revenue
0	Apr-23	HVC	551,391,300.5816
1	Apr-23	LVC	323,446,118.3729
2	Apr-23	MVC	296,785,688.6341
3	Apr-23	ZVC	0
4	Aug-23	HVC	1,486,452,150.0875
5	Aug-23	LVC	546,128,053.2791
6	Aug-23	MVC	577,696,091.5518
7	Aug-23	ZVC	0
8	Dec-23	HVC	3,976,060,785.5099
9	Dec-23	LVC	1,886,230,085.7604

Result:

overall_cust_segment by part_month and Bubble Size by total_revenue



Query 5

Question: generate a query overall custsegment wise total revenues where month is dec-23

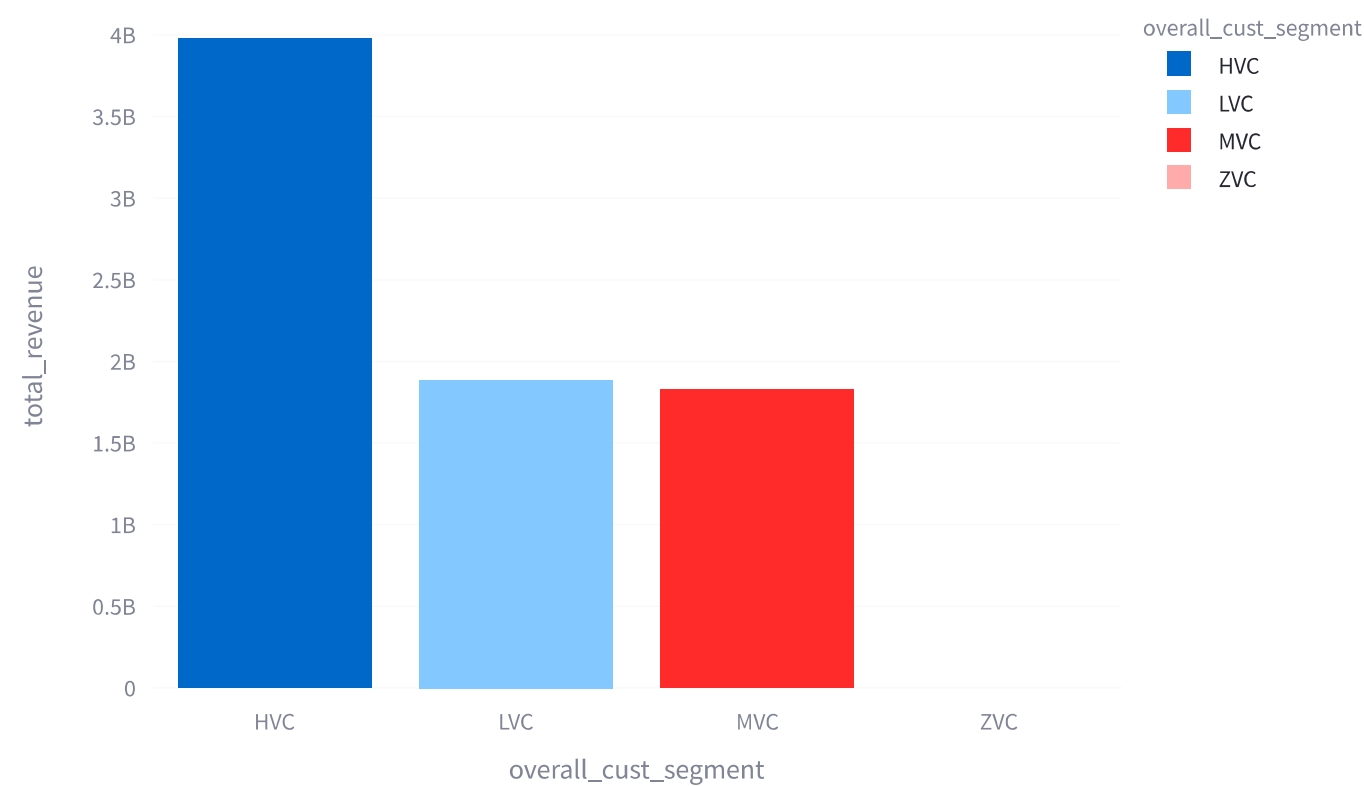
SQL Query: SELECT t.overall_cust_segment, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t WHERE t.part_month = 'Dec-23' GROUP BY t.overall_cust_segment ORDER BY total_revenue DESC NULLS LAST;

Query Result:

	overall_cust_segment	total_revenue
0	HVC	3,976,060,785.5099
1	LVC	1,886,230,085.7604
2	MVC	1,827,764,654.827
3	ZVC	0

Result:

total_revenue by overall_cust_segment



Query 6

Question: generate a query month wise total revenues

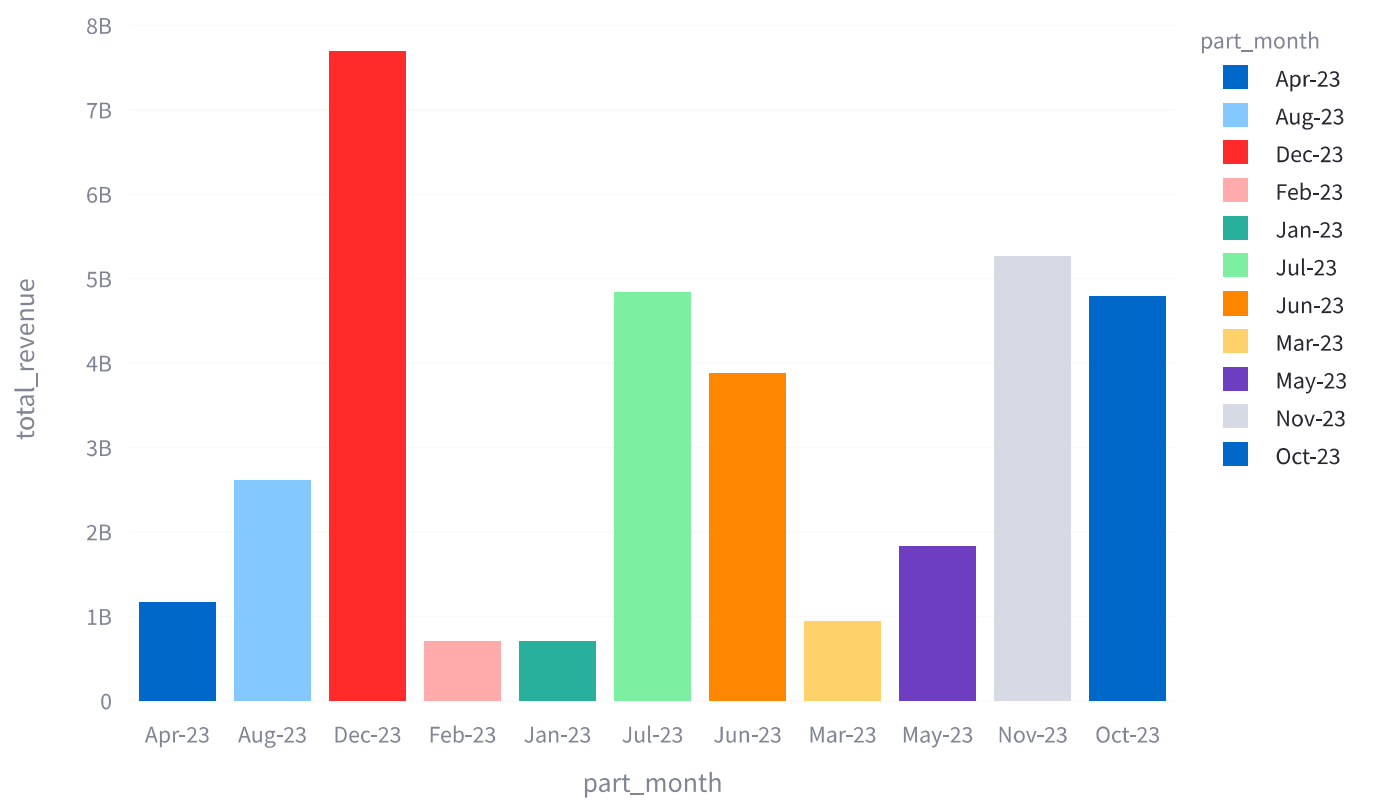
SQL Query: SELECT t.part_month, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.part_month ORDER BY t.part_month NULLS LAST;

Query Result:

	part_month	total_revenue
0	Apr-23	1,171,623,107.5886
1	Aug-23	2,610,276,294.9183
2	Dec-23	7,690,055,526.0974
3	Feb-23	708,401,723.423
4	Jan-23	706,426,840.2818
5	Jul-23	4,831,876,930.2334
6	Jun-23	3,873,861,301.5181
7	Mar-23	941,661,361.6282
8	May-23	1,826,997,660.0664
9	Nov-23	5,266,625,455.3082

Result:

total_revenue by part_month



Query 7

Question: generate a query region wise total revenues

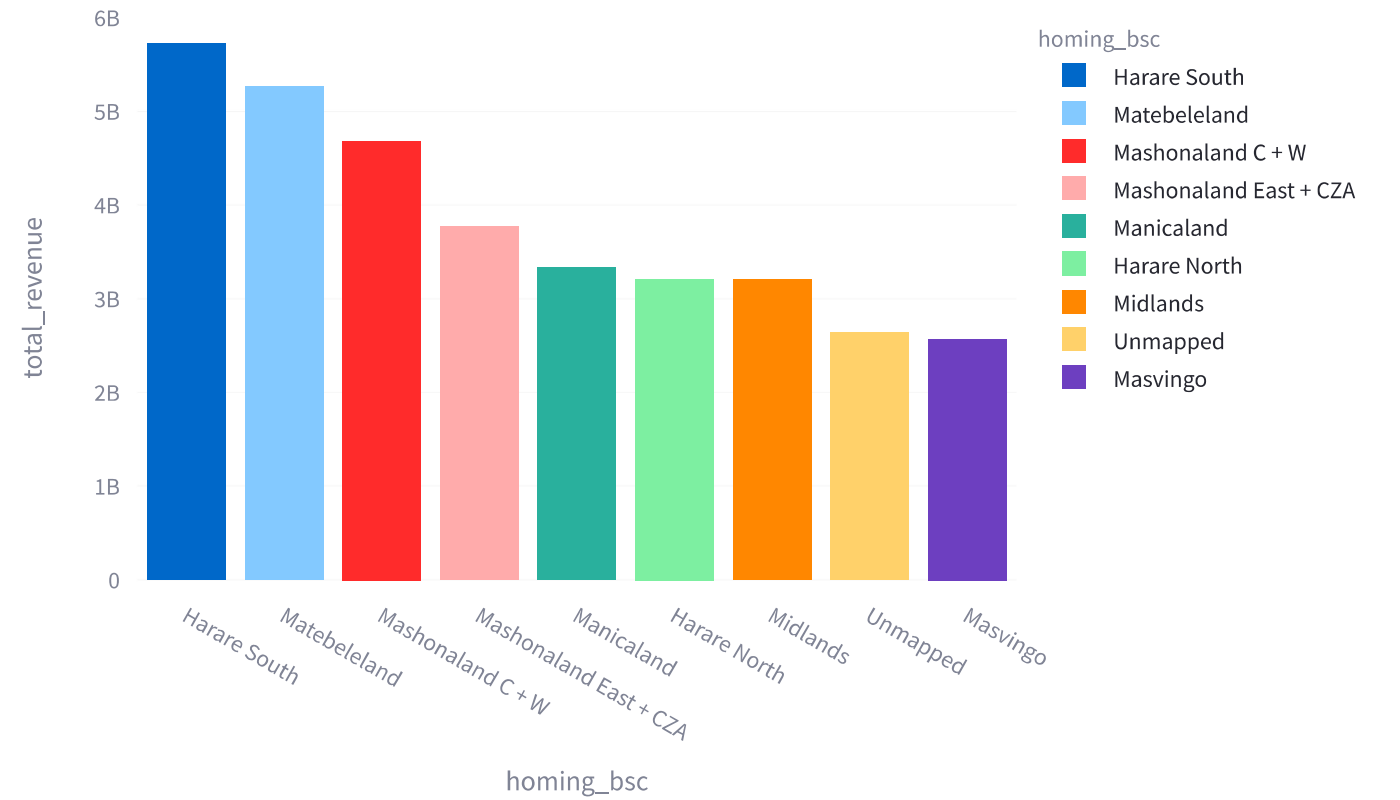
```
SQL Query: SELECT t.homing_bsc, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t
GROUP BY t.homing_bsc ORDER BY total_revenue DESC NULLS LAST;
```

Query Result:

	homing_bsc	total_revenue
0	Harare South	5,719,153,904.2338
1	Matebeleland	5,266,412,536.0632
2	Mashonaland C + W	4,684,705,256.4287
3	Mashonaland East + CZA	3,773,228,283.7695
4	Manicaland	3,334,284,493.1371
5	Harare North	3,214,697,414.6082
6	Midlands	3,209,206,545.3152
7	Unmapped	2,643,800,079.3425
8	Masvingo	2,572,429,991.8271

Result:

total_revenue by homing_bsc



Query 8

Question: generate a query overall custsegment wise total revenues

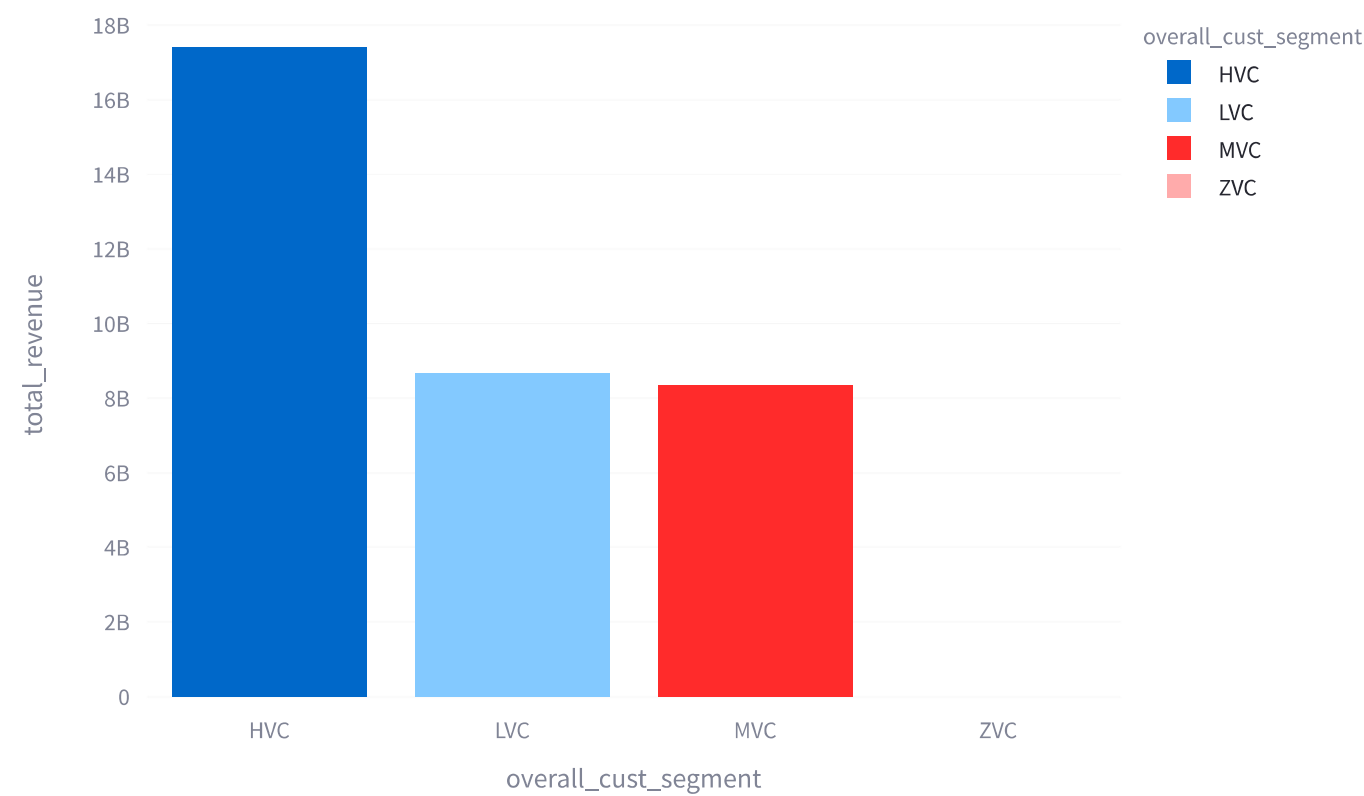
SQL Query: SELECT t.overall_cust_segment, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.overall_cust_segment ORDER BY total_revenue DESC NULLS LAST;

Query Result:

	overall_cust_segment	total_revenue
0	HVC	17,404,085,839.6315
1	LVC	8,657,132,724.982
2	MVC	8,356,699,940.1128
3	ZVC	0

Result:

total_revenue by overall_cust_segment



Query 9

Question: generate a query overall custsegment wise total revenues

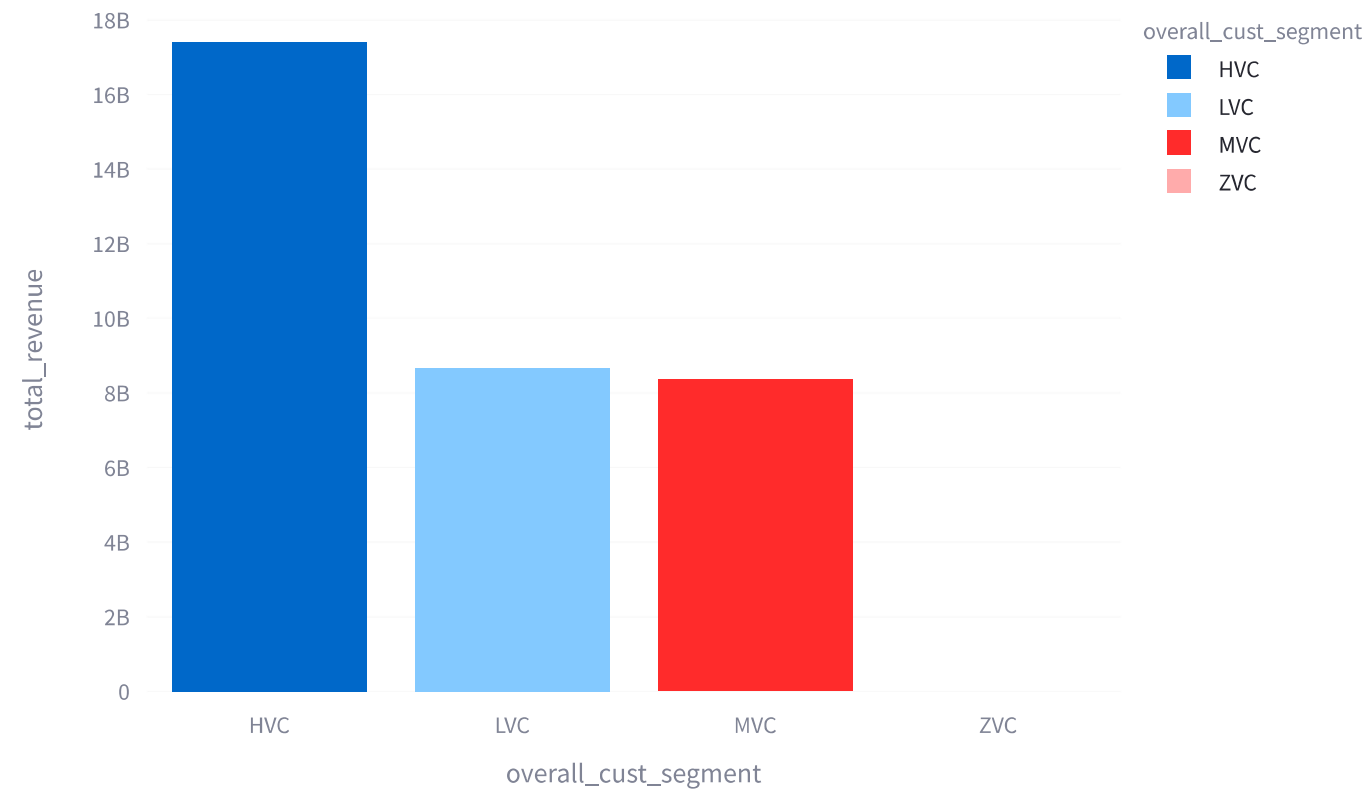
SQL Query: SELECT t.overall_cust_segment, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.overall_cust_segment ORDER BY total_revenue DESC NULLS LAST;

Query Result:

	overall_cust_segment	total_revenue
0	HVC	17,404,085,839.6315
1	LVC	8,657,132,724.982
2	MVC	8,356,699,940.1128
3	ZVC	0

Result:

total_revenue by overall_cust_segment



Query 10

Question: generate a query region custsegment wise total revenues

SQL Query: SELECT t.homing_bsc, t.overall_cust_segment, SUM(t.total_revenue) AS total_revenue FROM telecom_data_v3 t GROUP BY t.homing_bsc, t.overall_cust_segment ORDER BY t.homing_bsc, t.overall_cust_segment NULLS LAST;

Query Result:

	homing_bsc	overall_cust_segment	total_revenue
0	Harare North	HVC	2,201,851,951.8952
1	Harare North	LVC	445,270,415.5909
2	Harare North	MVC	567,575,047.122
3	Harare North	ZVC	0
4	Harare South	HVC	3,385,984,576.6761
5	Harare South	LVC	1,098,729,814.1204
6	Harare South	MVC	1,234,439,513.4373
7	Harare South	ZVC	0
8	Manicaland	HVC	1,326,928,484.5708
9	Manicaland	LVC	1,082,999,392.1851

Result:

overall_cust_segment by homing_bsc and Bubble Size by total_revenue

