

ASSIGNMENT PRODUCT ANALYSIS

GROUP – 8 [JOSEPH ITOPA ABUBAKAR]

INSIGHT - 1

Northeast top the list of highest total orders while the Midwest has the least total orders.

Query

Query History

```

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8 SELECT rgn.name AS name_of_region, SUM(ors.total) AS total_sales FROM region AS rgn
9     INNER JOIN sales_reps AS srs ON rgn.id = srs.region_id
10    INNER JOIN accounts AS act ON act.sales_rep_id = srs.id
11    INNER JOIN orders AS ors ON ors.account_id = act.id
12    GROUP BY name_of_region
13    ORDER BY total_sales DESC;

```

Data Output

Messages

Notifications

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SQL

Showing rows: 1 to 4

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	name_of_region character varying	total_sales bigint
1	Northeast	1230378
2	Southeast	1035005
3	West	927532
4	Midwest	482850

INSIGHT - 2

Query

Query History

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```
SELECT rgn.name AS name_of_region, SUM(ors.total_amt_usd) AS total_revenue FROM region AS rgn
INNER JOIN sales_reps AS srs ON rgn.id = srs.region_id
INNER JOIN accounts AS act ON act.sales_rep_id = srs.id
INNER JOIN orders AS ors ON ors.account_id = act.id
GROUP BY name_of_region
ORDER BY total_revenue DESC;
```

Data Output

Messages

Graph Visualiser

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	name_of_region character varying	total_revenue double precision
1	Northeast	7744405.360000013
2	Southeast	6458497.000000001
3	West	5925122.959999993
4	Midwest	3013486.509999996

Northeast
generate the
highest total
revenue while
the Midwest
the least
total
revenue.

INSIGHT - 3

Query		Query History
<pre>8 SELECT rgn.name AS name_of_region, AVG(ors.total) AS average_sales FROM region AS rgn 9 INNER JOIN sales_reps AS srs ON rgn.id = srs.region_id 10 INNER JOIN accounts AS act ON act.sales_rep_id = srs.id 11 INNER JOIN orders AS ors ON ors.account_id = act.id 12 GROUP BY name_of_region 13 ORDER BY average_sales DESC;</pre>		
Data Output		
Messages		
Graph Visualiser		
Notifications		
Showing rows: 1 to 4		
Page No: 1		
	name_of_region character varying	average_sales numeric
1	West	569.7371007371007371
2	Midwest	538.2943143812709030
3	Northeast	524.2343417128248828
4	Southeast	512.3787128712871287

The West region has the highest average order while the Southeast has the least average order.

INSIGHT - 4

Query

Query History

23

SELECT rgn.name AS name_of_region, AVG(ors.total_amt_usd) AS average_revenue FROM region AS rgn
INNER JOIN sales_reps AS srs ON rgn.id = srs.region_id
INNER JOIN accounts AS act ON act.sales_rep_id = srs.id
INNER JOIN orders AS ors ON ors.account_id = act.id
GROUP BY name_of_region
ORDER BY average_revenue DESC;

Data Output

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SQL

Showing rows: 1 to 4

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	name_of_region character varying	average_revenue double precision
1	West	3626.146242350057
2	Midwest	3359.516733556294
3	Northeast	3285.7044378447235
4	Southeast	3190.957015810277

The West region has the highest average revenue while the Southeast has least average revenue.

INSIGHT - 5

Query	Query History
29	
30	SELECT rgn.name AS name_of_region, SUM(ors.gloss_qty) AS total_gloss_qty, SUM(ors.poster_qty) AS total_poster_
31	INNER JOIN sales_reps AS srs ON rgn.id = srs.region_id
32	INNER JOIN accounts AS act ON act.sales_rep_id = srs.id
33	INNER JOIN orders AS ors ON ors.account_id = act.id
34	GROUP BY name_of_region
35	ORDER BY total_gloss_qty DESC;

Data Output	Messages	Graph Visualiser	Notifications
Showing rows: 1 to 4 Page No: 1 of 1			
	name_of_region character varying	total_gloss_qty double precision	total_poster_qty double precision
1	Northeast	351679	231828
2	Southeast	276162	192785
3	West	248694	215656
4	Midwest	137238	83377

The Northeast has the highest total gloss and poster orders.

CONCLUSION

The Northeast generates the highest total revenue, this is because it has the highest number of orders place.