Group 10. Data Analysis Starter Project

Tableau Visualization link: <https://public.tableau.com/app/profile/florence.olusanjo/viz/florenceolusanjo/Dashboard1>

1. **SALES BY WEB-CHANNEL**

SELECT r.name, sum(total\_amt\_usd) total\_sales

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on s.id = a.sales\_rep\_id left join region r on r.id = s.region\_id

Group BY 1

ORDER BY 2 desc

1. **TOTAL SALES BY REGION**

SELECT r.name, sum(total\_amt\_usd) total\_sales

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on s.id = a.sales\_rep\_id left join region r on r.id = s.region\_id

GROUP BY 1

ORDER BY 2 desc

1. **TOTAL SALES OVERTIME.1**

SELECT s.id, s.name, sum(total\_amt\_usd) total\_amt\_usd\_sold

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on a.sales\_rep\_id = s.id

GROUP BY s.id, s.name

ORDER BY total\_amt\_usd\_sold desc

1. **TOP 10 COMPANIES BY PATRONAGE.**

SELECT distinct name, sum(total\_amt\_usd) total\_amt\_usd\_ordered

FROM accounts a left join orders o on a.id= o.account\_id group by distinct name

ORDER BY total\_amt\_usd\_ordered desc

LIMIT 10

1. **LEAST 10 COMPANIES BY PATRONAGE.**

SELECT distinct name, sum(total\_amt\_usd) total\_amt\_usd\_ordered

FROM accounts a left join orders o on a.id= o.account\_id group by distinct name

ORDER BY total\_amt\_usd\_ordered asc

LIMIT 10

1. **SALES MADE BY EACH SALES REP**

SELECT s.id, s.name, sum(total\_amt\_usd) total\_amt\_usd\_sold

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on a.sales\_rep\_id = s.id

GROUP BY s.id, s.name

ORDER BY total\_amt\_usd\_sold desc;

1. **PAPERTYPES ORDERED BY TOP 10 COMPANIES.**

SELECT distinct name, sum(standard\_amt\_usd) standard, sum(gloss\_amt\_usd) gloss, su-m(poster\_amt\_usd) poster, sum(total\_amt\_usd) total\_amt\_usd\_ordered

FROM accounts a left join orders o on a.id= o.account\_id group by distinct name

ORDER BY total\_amt\_usd\_ordered desc

LIMIT 10

1. **TOTAL ORDERS MADE BY EACH COMPANY**

SELECT s.id, s.name, sum(total\_amt\_usd) total\_amt\_usd\_sold

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on a.sales\_rep\_id = s.id

GROUP BY s.id, s.name

ORDER BY total\_amt\_usd\_sold desc;

1. **TOTAL QTY AND TOTAL SALES(usd) BY EACH PAPERTYPE**

SELECT sum(standard\_amt\_usd) standard\_amt, sum(gloss\_amt\_usd) gloss\_amt, sum(poster\_amt\_usd) poster\_amt, sum(standard\_qty) s\_qty, sum(gloss\_qty) G\_qty, sum(poster\_qty) P\_qty

FROM orders;

1. **SALES MADE BY THE REGION OVERTIME**

SELECT r.name, date\_part('year', occurred\_at) diff\_years, sum(total\_amt\_usd) total\_sales

FROM orders o left join accounts a on o.account\_id = a.id left join sales\_reps s on s.id = a.sales\_rep\_id left join region r on r.id = s.region\_id

GROUP BY 1, 2

ORDER BY 3 desc

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