Diagram

Description automatically generated

### Questions: Working With DATEs

1. Find the sales in terms of total dollars for all orders in each year, ordered from greatest to least. Do you notice any trends in the yearly sales totals?

SELECT

DATE\_PART('year',occurred\_at) as Year,

SUM(total\_amt\_usd) total\_sales

FROM orders

GROUP BY 1

ORDER BY 2 DESC;

2013 and 2017 only has one month of sales, so these years are not evenly represented. Since sales are increasing YOY, we may expect 2017 to have the largest sales.

1. Which **month** did Parch & Posey have the greatest sales in terms of total dollars? Are all months evenly represented by the dataset?

SELECT

DATE\_PART('month',occurred\_at) as month,

SUM(total\_amt\_usd) total\_sales

FROM orders

where occurred\_at>='2014-01-01' and occurred\_at<'2017-01-01'

GROUP BY 1

ORDER BY 2 DESC;

1. Which **year** did Parch & Posey have the greatest sales in terms of total number of orders? Are all years evenly represented by the dataset?

SELECT

DATE\_PART('year',occurred\_at) as year,

COUNT(\*) num\_orders

FROM orders

where occurred\_at>='2014-01-01' and occurred\_at<'2017-01-01'

GROUP BY 1

ORDER BY 2 DESC;

1. Which **month** did Parch & Posey have the greatest sales in terms of total number of orders? Are all months evenly represented by the dataset?

SELECT

DATE\_PART('month',occurred\_at) as month,

COUNT(\*) num\_orders

FROM orders

where occurred\_at>='2014-01-01' and occurred\_at<'2017-01-01'

GROUP BY 1

ORDER BY 2 DESC;

1. In which **month** of which **year** did Walmart spend the most on gloss paper in terms of dollars? May 2016

SELECT

DATE\_PART('month',o.occurred\_at) as month,

DATE\_PART('year',o.occurred\_at) as year,

SUM(o.gloss\_amt\_usd) gloss\_amt

FROM orders o

JOIN accounts a

ON a.id=o.account\_id

WHERE a.name='Walmart'

GROUP BY 1,2

ORDER BY 3 DESC

LIMIT 1;