



Superstore

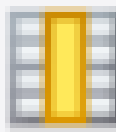

Analysis



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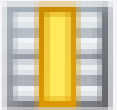

What is the total sales and total profit?

```
SELECT
    SUM(Sales) AS total_sales,
    SUM(Profit) AS total_profit
FROM
    orders;
```

Result Grid   Filter Rows		
	total_sales	total_profit
▶	15909.96	-1362.38

What are the top 3 product categories by total sales?

```
SELECT
    Category, SUM(Sales) AS total_sales
FROM
    orders
GROUP BY Category
ORDER BY total_sales DESC
LIMIT 3;
```

Result Grid   Filter Rows		
	Category	total_sales
▶	Furniture	9189.69
	Office Supplies	4637.67
	Technology	2082.60

What is the total sales for each region?

```
SELECT
    Region,
    SUM(Sales) AS total_sales
FROM
    orders
GROUP BY
    Region
ORDER BY
    total_sales DESC;
```

Result Grid			Filter
	Region	total_sales	
▶	Central	4912.84	
	West	4018.95	40
	East	3796.64	
	South	3181.53	

What are the top 5 customers by total sales?

```
SELECT
    `Customer Name`,
    SUM(Sales) AS total_sales
FROM
    orders
GROUP BY
    `Customer Name`
ORDER BY
    total_sales DESC
LIMIT 5;
```

Result Grid			Filter Rows:
	Customer Name	total_sales	
▶	Tracy Blumstein	3102.48	
	Brendan Sweed	1113.02	
	Gene Hale	1097.54	
	Emily Burns	1044.63	
	Sean O'Donnell	957.58	

The average profit per customer in each segment.

```
SELECT
  `Customer Name`,
  Segment,
  AVG(CAST(Profit AS DECIMAL(10, 2))) AS average_profit
FROM
  orders
GROUP BY
  `Customer Name`,
  Segment
ORDER BY
  average_profit DESC
LIMIT 10;
```

	Customer Name	Segment	average_profit
►	Emily Burns	Consumer	240.260000
	Dave Kipp	Consumer	165.380000
	Irene Maddox	Consumer	132.590000
	Gene Hale	Corporate	123.470000
	Brendan Sweed	Corporate	111.300000
	Pete Armstrong	Home Office	67.990000
	Julie Creighton	Corporate	62.810000
	Stewart Carmichael	Corporate	56.200000
	Ted Butterfield	Consumer	52.140000
	Claire Gute	Consumer	41.910000

Find the top-selling product in each state

```
WITH RankedProducts AS (  
  SELECT  
    State,  
    `Product Name`,  
    SUM(CAST(Sales AS DECIMAL(10, 2))) AS total_sales,  
    ROW_NUMBER() OVER(PARTITION BY State ORDER BY SUM(CAST(Sales AS DECIMAL(10, 2))) DESC) as rn  
  FROM  
    orders  
  GROUP BY  
    State,  
    `Product Name`)  
SELECT State, `Product Name`, total_sales  
FROM RankedProducts WHERE rn = 1;
```

Alabama	1.7 Cubic Foot Compact "Cube" Office Refriger...	208.16
Arizona	Hunt BOSTON Model 1606 High-Volume Electric ...	1113.02
California	Global Task Chair, Black	81.42
Colorado	Logitech K350 2.4Ghz Wireless Keyboard	238.90
Delaware	Artistic Insta-Plaque	47.04
Florida	Bretford CR4500 Series Slim Rectangular Table	957.58
Illinois	Bevis 44 x 96 Conference Tables	617.70
Indiana	C-Line Peel & Stick Add-On Filing Pockets, 8-3/4...	38.22
Iowa	Hunt PowerHouse Electric Pencil Sharpener, Blue	75.96
Kentucky	Bush Somerset Collection Bookcase	261.96
Michigan	Gould Plastics 9-Pocket Panel Bin, 18-3/8w x 5-...	211.96
Minnesota	Fellowes Basic Home/Office Series Surge Protec...	77.88
Nebraska	Newell 318	19.46
New York	Home/Office Personal File Carts	208.56
North C...	Jet-Pak Recycled Peel 'N' Seal Padded Mailers	200.98
Ohio	Anker 36W 4-Port USB Wall Charger Travel Pow...	59.97
Oregon	Flexible Leather-Look Classic Collection Ring Bin...	5.68

Calculate the year-over-year growth in sales

```
SELECT
    current_year.year,
    current_year.total_sales AS current_year_sales,
    previous_year.total_sales AS previous_year_sales,
    (current_year.total_sales - previous_year.total_sales) / previous_year.total_sales AS sales_growth_rate
FROM
    (SELECT
        YEAR(STR_TO_DATE(`Order Date`, '%m/%d/%Y')) AS year,
        SUM(CAST(Sales AS DECIMAL (10 , 2 ))) AS total_sales FROM orders GROUP BY year) AS current_year,
    (SELECT
        YEAR(STR_TO_DATE(`Order Date`, '%m/%d/%Y')) AS year,
        SUM(CAST(Sales AS DECIMAL (10 , 2 ))) AS total_sales FROM orders
    GROUP BY year) AS previous_year ON current_year.year = previous_year.year + 1
ORDER BY current_year.year;
```

	year	current_year_sales	previous_year_sales	sales_growth_rate
►	2012	8103.16	3396.34	1.385851
	2013	3146.70	8103.16	-0.611670
	2014	1263.76	3146.70	-0.598386



Thankyou



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