

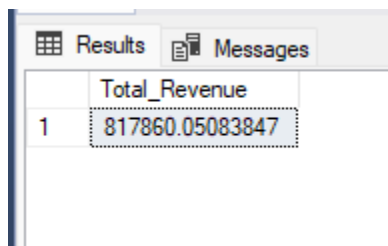
## -- Pizza Sales

```
use Projects;  
select * from pizza_sales;
```

### -- KPI's Requirement

-- Total Revenue

```
select sum(total_price) as Total_Revenue from pizza_sales;
```

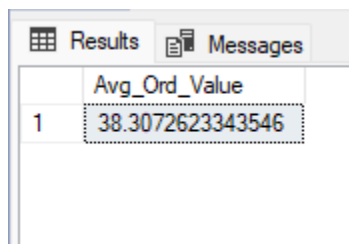


A screenshot of a SQL Server query results window. The window has two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a single row of data. The column header is 'Total\_Revenue' and the value is '817860.05083847'.

	Total_Revenue
1	817860.05083847

-- Average Order Value

```
select sum(total_price)/count(distinct order_id) as Avg_Ord_Value  
from pizza_sales;
```

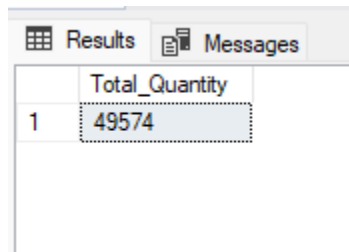


A screenshot of a SQL Server query results window. The window has two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a single row of data. The column header is 'Avg\_Ord\_Value' and the value is '38.3072623343546'.

	Avg_Ord_Value
1	38.3072623343546

-- Total Pizza Sold

```
select sum(quantity) as Total_Quantity from pizza_sales;
```



A screenshot of a SQL Server query results window. The window has two tabs: 'Results' and 'Messages'. The 'Results' tab is active, showing a single row of data. The column header is 'Total\_Quantity' and the value is '49574'.

	Total_Quantity
1	49574

-- Total Orders

```
select count(distinct order_id) as Total_Orders from pizza_sales;
```

Results		Messages
	Total_Orders	
1	21350	

-- Average Pizza Per Order

```
select cast(cast(sum(quantity) as decimal(10,2)) /  
cast(count(distinct order_id) as decimal(10,2)) as decimal (10,2))  
as Avg_Pizza_Per_Order from pizza_sales;
```

Results		Messages
	Avg_Pizza_Per_Order	
1	2.32	

-- Chart Requirement

-- Daily Trends for Total Orders

```
select datename(dw,order_date) as WeekDay, sum(distinct order_id) as  
Total_Orders from pizza_sales group by datename(dw,order_date)  
order by Total_Orders;
```

Results		Messages
	WeekDay	Total_Orders
1	Sunday	27779017
2	Monday	28736694
3	Tuesday	31963122
4	Wednesday	32775435
5	Saturday	33766994
6	Thursday	35514593
7	Friday	37386070

-- Hourly Trends for Total Orders

```
select datepart(HOUR,order_time) As Hourly_Time, count(distinct order_id)
as Total_Orders from pizza_sales
group by datepart(HOUR,order_time)
order by datepart(hour,order_time);
```

Results Messages		
	Hourly_Time	Total_Orders
1	9	1
2	10	8
3	11	1231
4	12	2520
5	13	2455
6	14	1472
7	15	1468
8	16	1920
9	17	2336
10	18	2399
11	19	2009
12	20	1642
13	21	1198
14	22	663
15	23	28

-- Percentage of Sales by Pizza category

```
select pizza_category, sum(total_price) as Total_Sales,
cast(sum(total_price) * 100 as decimal(10,2)) / (select cast(sum(total_price)
as decimal(10,2)) from pizza_sales) as PCT
from pizza_sales
group by pizza_category;
```

Results Messages			
	pizza_category	Total_Sales	PCT
1	Classic	220053.100021362	26.9059602556696
2	Chicken	195919.5	23.9551375568472
3	Veggie	193690.451004028	23.6825910496545
4	Supreme	208196.99981308	25.4563112356447

-- Percentage of Sales for October by Pizza category

```
select pizza_category, sum(total_price) as Total_Sales,  
cast(sum(total_price) * 100 as decimal(10,2)) / (select cast(sum(total_price)  
as decimal(10,2)) from pizza_sales where month(order_date) = 10 ) as PCT  
from pizza_sales  
where month(order_date) = 10  
group by pizza_category;
```

Results Messages			
	pizza_category	Total_Sales	PCT
1	Classic	17409.1500015259	27.1900711568136
2	Chicken	14792	23.1025370309054
3	Veggie	14551.3500900269	22.7266836489264
4	Supreme	17275.09998703	26.9807083195371

-- Percentage of Sales for Quarter 3 by pizza Category

```
select pizza_category, sum(total_price) as Total_Sales,  
cast(sum(total_price) * 100 as decimal(10,2)) / (select cast(sum(total_price)  
as decimal(10,2)) from pizza_sales  
where datepart(QUARTER,order_date) = 3) as PCT from pizza_sales  
where datepart(QUARTER,order_date) = 3  
group by pizza_category;
```

Results Messages			
	pizza_category	Total_Sales	PCT
1	Classic	56307.7500038147	27.4650247151200
2	Chicken	49393.75	24.0926082914423
3	Veggie	48708.8002357483	23.7585128394731
4	Supreme	50605.8999481201	24.6838542027410

-- Percentage of Sales by Pizza Size

```
select pizza_size, sum(total_price) as Sales, CAST(sum(total_price) * 100 /  
(select sum(total_price) from pizza_sales) as decimal(10,2)) as PCS  
from pizza_sales group by pizza_size  
order by PCS asc;
```

	pizza_size	Sales	PCS
1	XXL	1006.6000213623	0.12
2	XL	14076	1.72
3	S	178076.49981308	21.77
4	M	249382.25	30.49
5	L	375318.701004028	45.89

-- Total Pizza Sold by Pizza Category

```
select pizza_category, sum(quantity) as Total_Quantity from pizza_sales  
group by pizza_category;
```

	pizza_category	Total_Quantity
1	Classic	14888
2	Chicken	11050
3	Veggie	11649
4	Supreme	11987

-- Top 5 Best Sellers by Total Pizza Sold

```
select top 5 pizza_name, sum(quantity) as Quantity from pizza_sales  
group by pizza_name  
order by sum(quantity) desc;
```

Results Messages		
	pizza_name	Quantity
1	The Classic Deluxe Pizza	2453
2	The Barbecue Chicken Pizza	2432
3	The Hawaiian Pizza	2422
4	The Pepperoni Pizza	2418
5	The Thai Chicken Pizza	2371

-- Bottom 5 Worst Sellers by Total Pizza Sold

```
select top 5 pizza_name, sum(quantity) as Quantity from pizza_sales  
group by pizza_name  
order by sum(quantity) asc;
```

Results Messages		
	pizza_name	Quantity
1	The Brie Carré Pizza	490
2	The Mediterranean Pizza	934
3	The Calabrese Pizza	937
4	The Spinach Supreme Pizza	950
5	The Soppressata Pizza	961