

CREATE DATA BASE

=====

```
create database pizza_sales;
```

```
use pizza_sales;
```

```
select * from orders
```

```
select * from order_details
```

```
select * from pizzas
```

```
create view pizza_details as
```

```
select p.pizza_id,p.pizza_type_id,pt.name,pt.category,p.size,p.price,pt.ingredients
```

```
from pizzas p
```

```
join pizza_types pt
```

```
on pt.pizza_type_id = p.pizza_type_id
```

```
select * from pizza_details
```

```
alter table orders
```

```
modify date DATE;
```

-- 1.TOTAL REVENUE

```
select round(sum(od.quantity * p.price),2) as total_revenue
```

```
from order_details od
```

```
join pizza_details p
```

```
on od.pizza_id = p.pizza_id;
```

-- 2.TOTAL NO.OF PIZZAS SOLD

```
select sum(od.quantity) as pizza_sold
```

```
from order_details od;
```

-- 3.TOTAL ORDERS

```
select count(distinct(order_id)) as total_orders
```

```
from order_details;
```

-- 4.average order value

```
select sum(od.quantity * p.price) / count(distinct(od.order_id)) as avg_order_value
```

```
from order_details od
```

```
join pizza_details p
```

```
on od.pizza_id = p.pizza_id;
```

-- 5.average number of pizza per order

```
select round(sum(od.quantity) / count(distinct(od.order_id)),0) as avg_no_pizza_per_order
```

```
from order_details od;
```

--6.TOTAL REVENUE AND NO OF ORDERS PER CATEGORY

```
select p.category, sum(od.quantity * p.price) as total_revenue, count(distinct(od.order_id)) as
```

```
total_orders
```

```
from order_details od
```

```
join pizza_details p
on od.pizza_id = p.pizza_id
group by p.category;
```

-- 7.TOTAL REVENUE AND NO OF ORDERS PER SIZE

```
select p.size, sum(od.quantity * p.price) as total_revenue, count(distinct(od.order_id)) as total_orders
from order_details od
join pizza_details p
on od.pizza_id = p.pizza_id
group by p.size;
```

--8.HOURLY, DAILY, MONTHLY TREND IN ORDERS AND REVENUE OF PIZZA

```
select
    case
        when hour(o.time) between 9 and 12 then 'Late Morning'
        when hour(o.time) between 12 and 15 then 'Lunch'
        when hour(o.time) between 15 and 18 then 'Mid Afternoon'
        when hour(o.time) between 18 and 21 then 'Dinner'
        when hour(o.time) between 21 and 23 then 'Late Night'
        else 'Others'
    end as meal_time, count(distinct(od.order_id)) as total_orders
    from order_details od
join orders o on o.order_id = od.order_id
group by meal_time
order by total_orders desc;
```

--9. weekdays

```
select dayname(o.date) as day_name, count(distinct(od.order_id)) as total_orders
from order_details od
join orders o
on o.order_id = od.order_id
group by dayname(o.date)
order by total_orders desc
```

-- 10.MONTHWISE TREND

```
select monthname(o.date) as day_name, count(distinct(od.order_id)) as total_orders
from order_details od
join orders o
on o.order_id = od.order_id
group by monthname(o.date)
order by total_orders desc
```

--11. MOST ORDERED PIZZA

```
select p.name, p.size, count(od.order_id) as count_pizzas
from order_details od
join pizza_details p
on od.pizza_id = p.pizza_id
group by p.name, p.size
order by count_pizzas desc
limit 1
```

--12. TOP 5 PIZZAS BY REVENUE

```
select p.name, sum(od.quantity * p.price) as total_revenue
from order_details od
join pizza_details p
on od.pizza_id = p.pizza_id
group by p.name
order by total_revenue desc
limit 5
```

-- 13.TOP PIZZAS BY SALE

```
select p.name, SUM(od.quantity) as pizzas_sold
from order_details od
join pizza_details p
on od.pizza_id = p.pizza_id
group by p.name
order by pizzas_sold desc
limit 5
```

--14. PIZZA ANALYSIS

```
select name, price
from pizza_details
order by price desc
limit 1
```

-- 15.MOST TOP USE INGREDIENTS

```
select * from pizza_details

create temporary table numbers as (
    select 1 as n union all
    select 2 union all select 3 union all select 4 union all
    select 5 union all select 6 union all select 7 union all
    select 8 union all select 9 union all select 10
);

select ingredient, count(ingredient) as ingredient_count
from(
    select substring_index(substring_index(ingredients, ',', n), ',', -1) as
ingredient
    from order_details
    join pizza_details on pizza_details.pizza_id = order_details.pizza_id
    join numbers on char_length(ingredeients) - char_length(replace(ingredients, ',', '')) >= n-1
) as subquery
group by ingredient
order by ingredient_count desc
```



Faltu Pizza
ESTD 2015

Parameter

- ☐ Select all
- ☒ Total Revenue
- ☐ Total orders
- ☐ Pizzas sold

month name

All

weekday name

All

Category

Select all

Supreme

Chicken

Veggie

Classic

Total Revenue

\$817.86K

Total orders

21K

Pizzas sold

50K

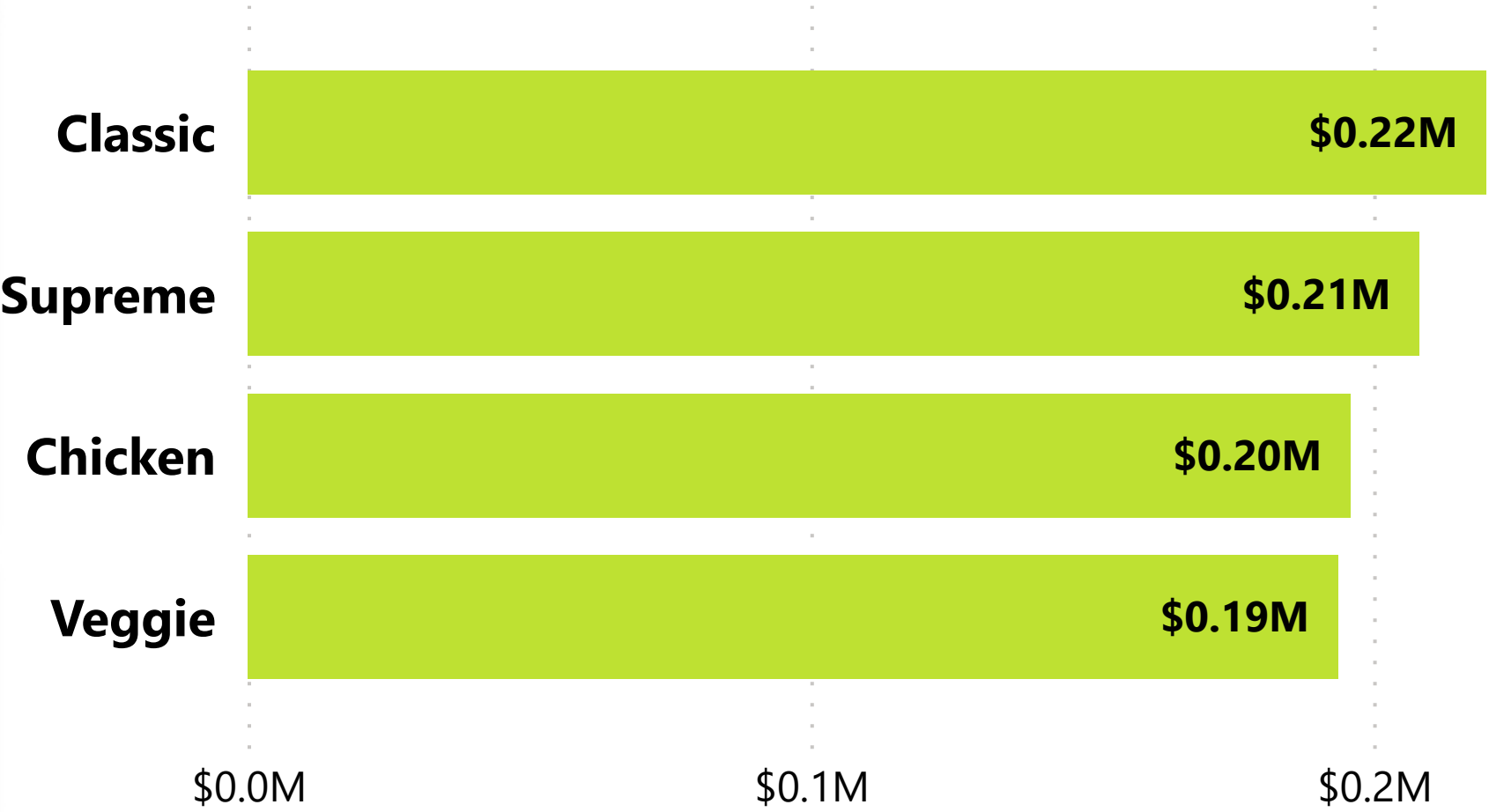
Avg order value

\$38.31

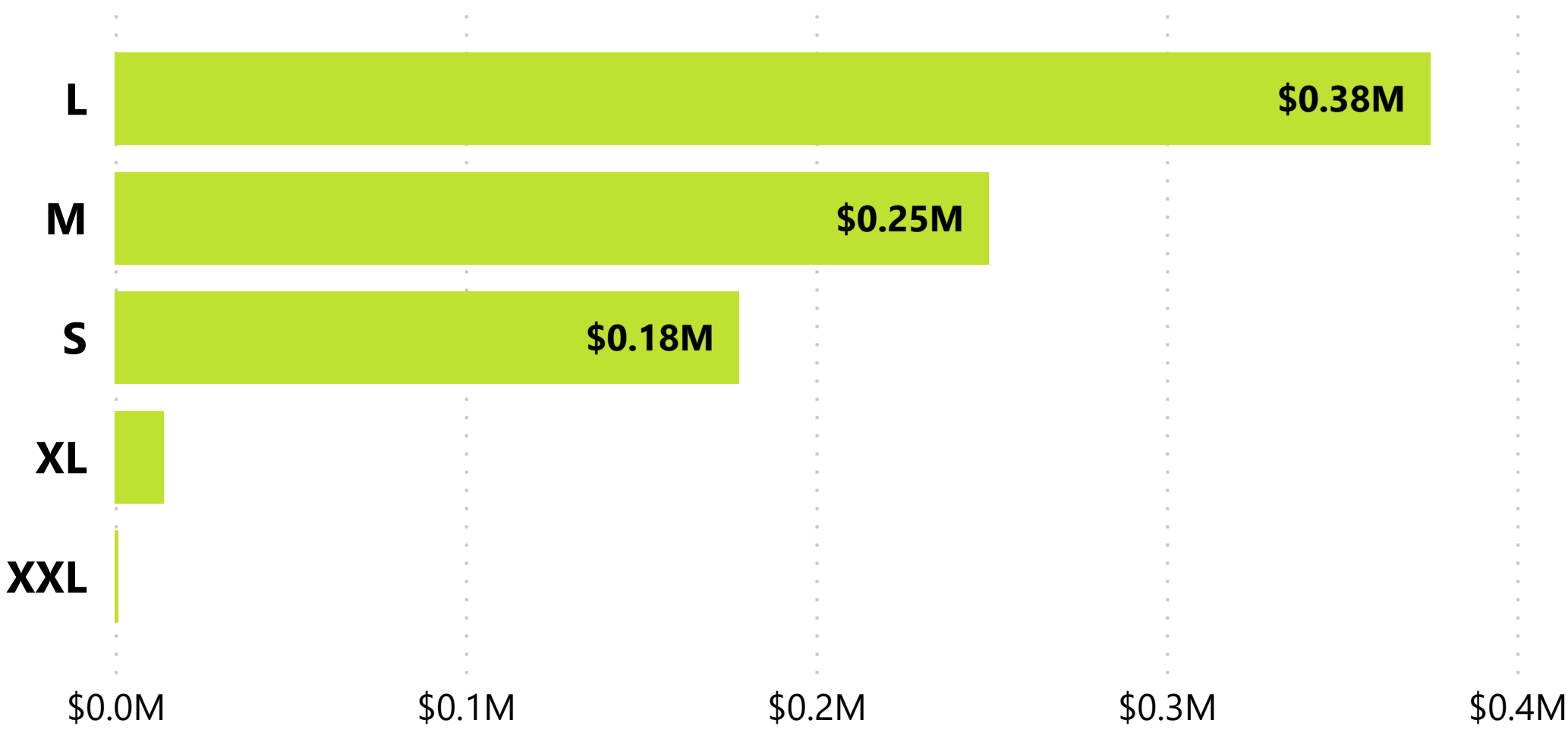
avg pizza sold

2

Total Revenue by category



Total Revenue by size



Top Revenue Pizza

The Thai
Chicken Pizza

Least Revenue Pizza

The Brie Carre
Pizza

Top Ordered Pizza

The Classic
Deluxe Pizza

Least Ordered Pizza

The Brie Carre
Pizza

name

Total orders Total Revenue

The Barbecue Chicken Pizza	2,273	\$42,768.00
The Big Meat Pizza	1,811	\$22,968.00
The Brie Carre Pizza	480	\$11,588.50
The Calabrese Pizza	918	\$15,934.25
The California Chicken Pizza	2,197	\$41,409.50
The Chicken Alfredo Pizza	967	\$16,900.25
The Chicken Pesto Pizza	938	\$16,701.75
The Classic Deluxe Pizza	2,329	\$38,180.50
The Five Cheese Pizza	1,359	\$26,066.50
The Four Cheese Pizza	1,809	\$32,265.70
Total	21,350	\$817,860.05



Faltu Pizza
ESTD 2015

Total Revenue

\$817.86K

Total orders

21K

Pizzas sold

50K

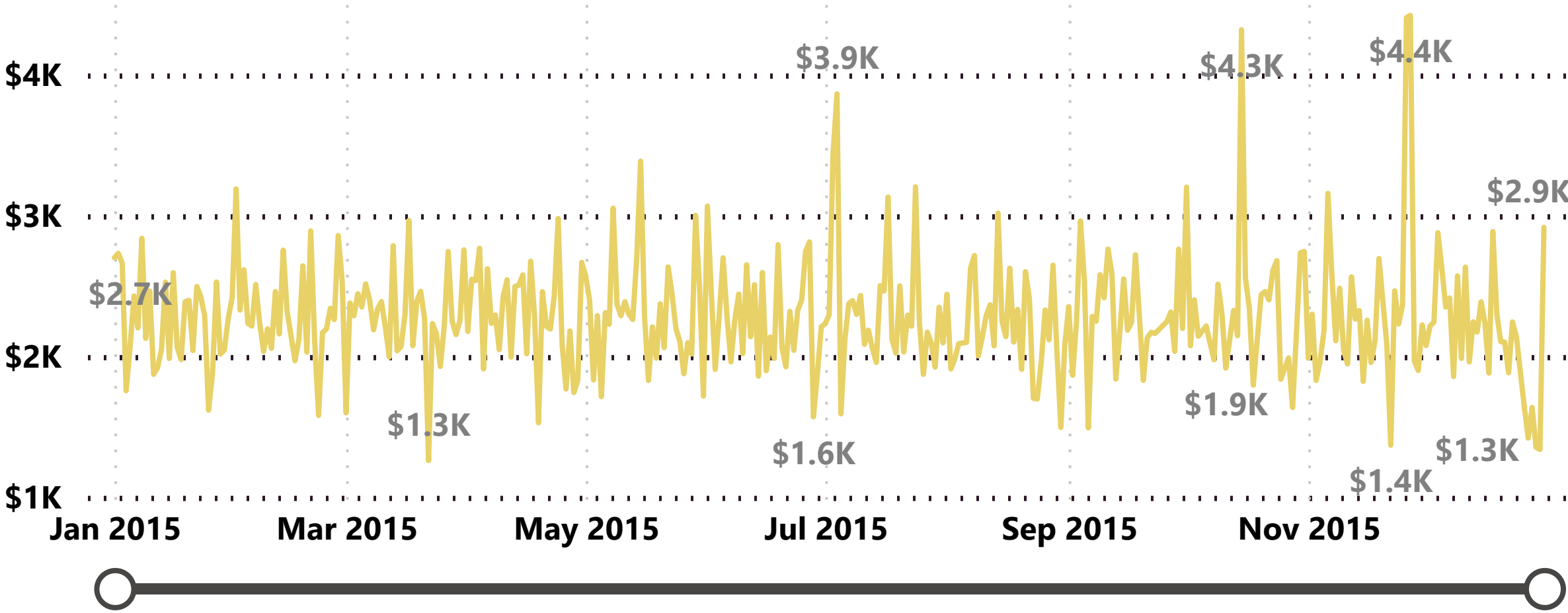
Avg order value

\$38.31

avg pizza sold

2

Total Revenue by Year, Quarter, Month and Day



weekday name

	9	10	11	12	13	14
Monday	\$13.25	\$50.25	\$7,767.00	\$18,596.10	\$13,292.20	\$7,614
Tuesday	\$83.00		\$7,147.05	\$18,364.85	\$16,889.00	\$8,084
Wednesday		\$76.65	\$8,686.50	\$17,359.10	\$15,478.75	\$8,382
Thursday		\$86.50	\$7,718.40	\$19,042.20	\$18,807.10	\$9,423
Friday			\$6,449.30	\$18,227.05	\$17,144.55	\$8,583
Saturday		\$52.75	\$3,335.55	\$10,299.80	\$13,001.15	\$8,646
Sunday		\$37.50	\$3,818.75	\$9,988.80	\$11,452.95	\$8,466
Total	\$13.25	\$83.00	\$303.65	\$44,922.55	\$111,877.90	\$106,065.70

month name

- Select all
- (Blank)
- January
- February

Total Revenue and Previous month revenue by month name

\$64.70K!

Goal: 70.40K (-8.09%)

Total orders and Previous month Orders by month name

1,680!

Goal: 1792 (-6.25%)