

## Queries

1. 2 busiest months (most orders over a month)
  - ```
SELECT to_char(date_trunc('month',date),'YYYY-MM') AS month, AVG(qty_sold) AS avg_qty_sold
FROM Daily_Inventory
GROUP BY month
ORDER BY avg_qty_sold DESC
LIMIT 2;
```
2. Most popular item (i don't even know how we would do this one)

```
SELECT TOP 1 menu_item
FROM Order_Items
GROUP BY [menu_item]
ORDER BY COUNT(*) DESC
```
3. Most used kiosk
  - a. 

```
SELECT kiosk_id, COUNT(*) AS usage_count
FROM Orders
GROUP BY kiosk_id
ORDER BY usage_count DESC
LIMIT 1;
```
4. Least popular item

```
SELECT TOP 1 menu_item
FROM Order_Items
GROUP BY [menu_item]
ORDER BY COUNT(*) [ASC]
```
5. 2 slowest months
  - a. 

```
SELECT to_char(date_trunc('month', date), 'YYYY-MM') AS month,
AVG(qty_sold) AS avg_qty_sold
FROM Daily_Inventory
GROUP BY month
ORDER BY avg_qty_sold ASC
LIMIT 2;
```
6. Busiest day

```
SELECT date, SUM(qty_sold) AS total_qty_sold
FROM Daily_Inventory
GROUP BY date
ORDER BY total_qty_sold DESC
LIMIT 1;
```
7. total revenue

```
SELECT SUM(food_price) AS total_revenue
FROM Order_Items
```
8. Top 3 months that performed the best( most revenue)

```
SELECT to_char(order_date, 'YYYY-MM') AS order_month, SUM(order_total) AS
revenue
FROM Orders
```

```
GROUP BY order_month
ORDER BY revenue DESC
LIMIT 3;
```

9. most common customer name

```
SELECT TOP 1 customer_name
FROM Order
GROUP BY [customer_name]
ORDER BY COUNT(*) DESC
```

10. average order price

```
SELECT AVG(order_total) AS average_order_price
FROM Order
```

11. average revenue per day of operation

```
SELECT SUM(order_total) / COUNT(DISTINCT DATE(order_date)) AS
```

avg\_revenue\_per day

```
FROM Order
```

```
GROUP BY DATE(order_date)
```

// do we need this? since it should

just return one value

12. most used ingredient

```
SELECT TOP 1 ingredient
FROM Daily_Inventory
GROUP BY [ingredient]
ORDER BY COUNT(*) DESC
```

13. most expensive order

```
SELECT MAX(order_total) AS most_expensive_order
FROM Order
```

14. average number of items per order

```
SELECT COUNT(menu_item) / COUNT(DISTINCT order_id) AS
```

avg\_items\_per\_order

```
FROM Order_Items
```

```
GROUP BY order_id
```

15. most items ordered in one order

```
SELECT MAX(item_count) AS max_items_order
```

```
FROM (
```

```
    SELECT order_id, COUNT(menu_item) AS item_count
```

```
    FROM Order_Items
```

```
    GROUP BY order_id
```

```
) subquery
```