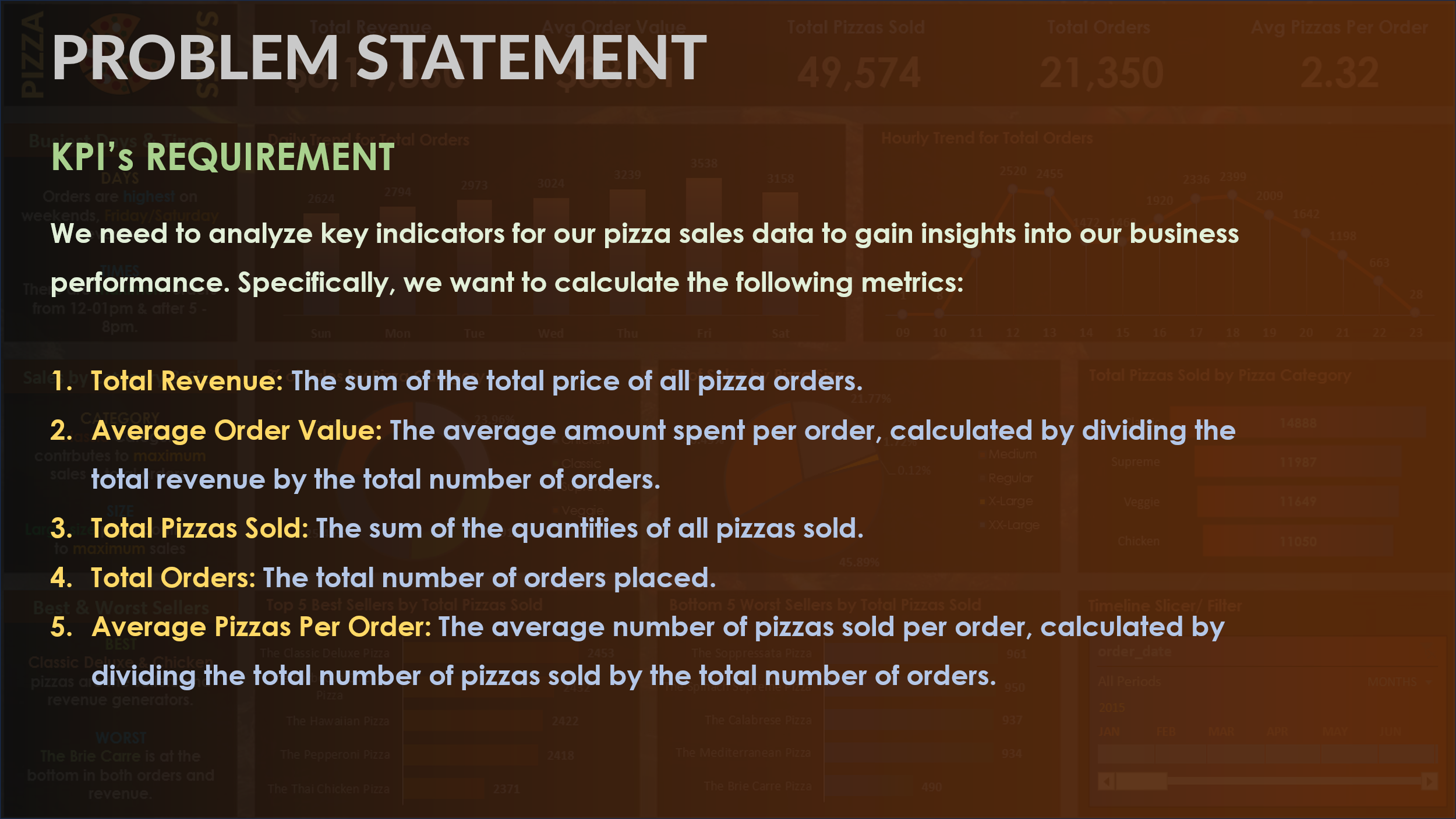
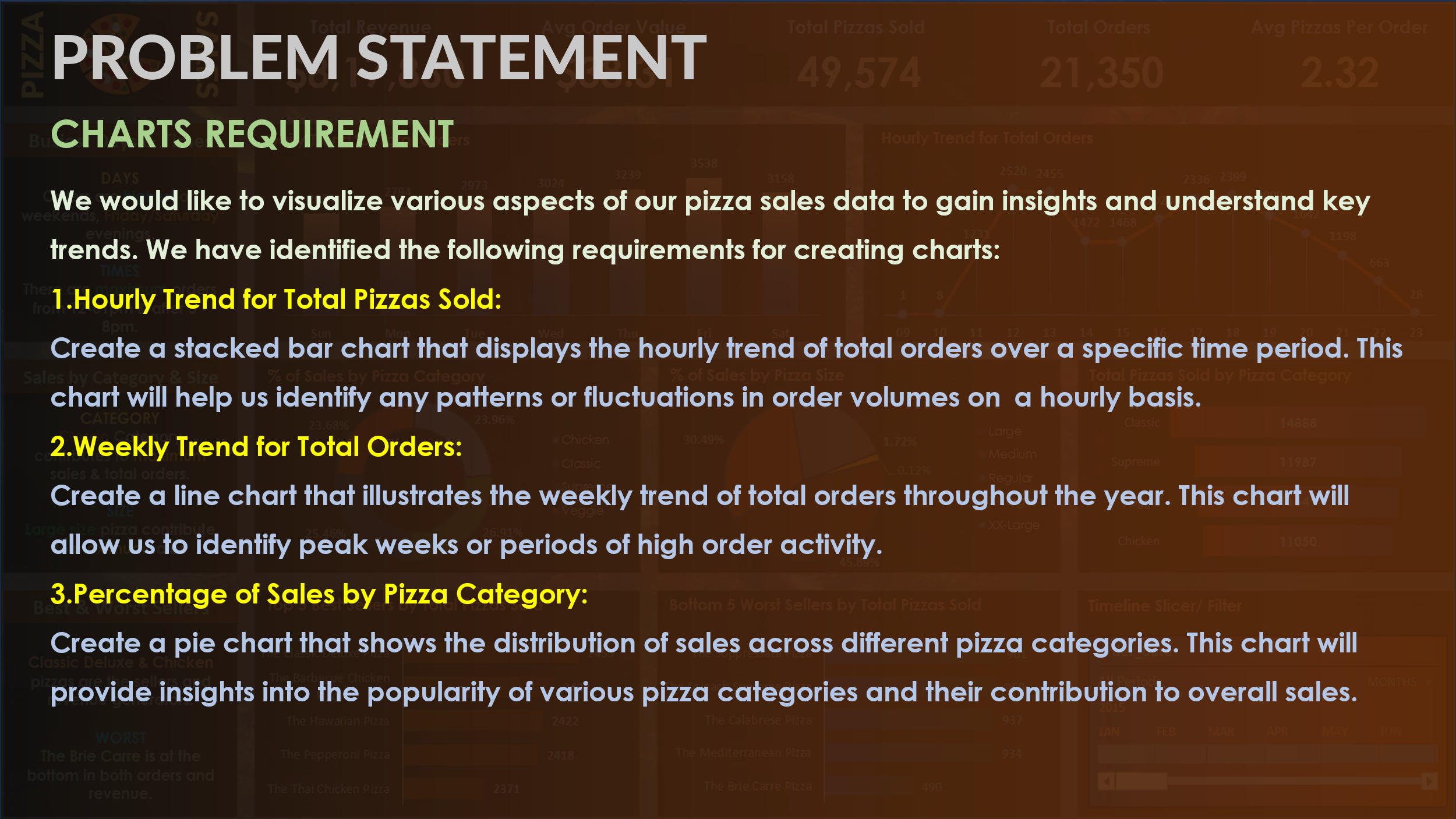
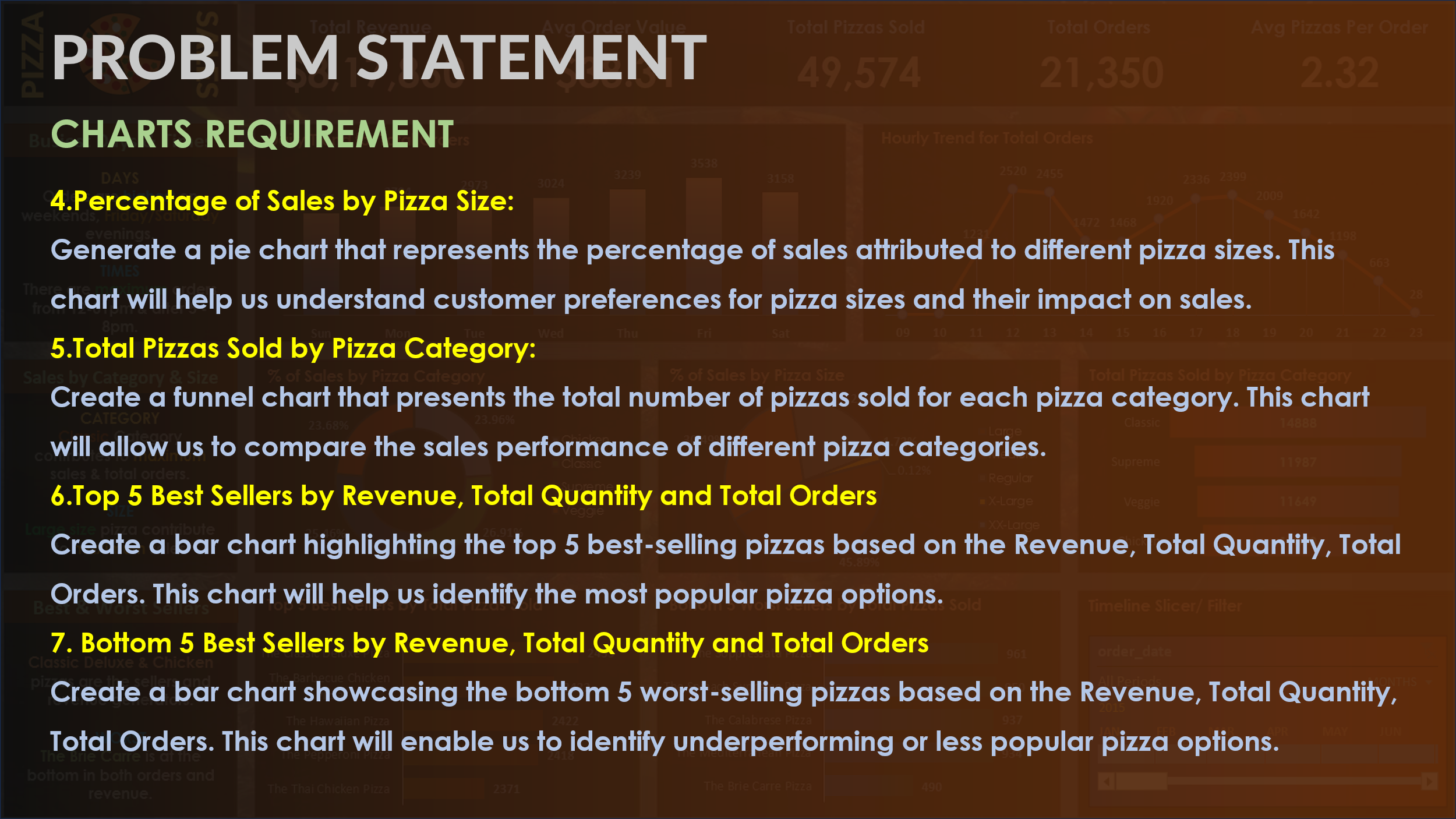
# **PIZZA SALES PROBLEM STATEMENT & QUERY REPORT**



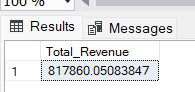




**A )KPI REQUIREMNETS – KEY PERFORMANCE INDICATOR**

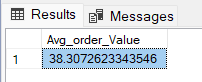
1. **Total Revenue**

SELECT SUM(total\_price) AS Total\_Revenue FROM pizza\_sales

****

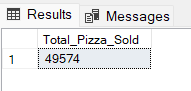
1. **Average Order Value**

SELECT SUM(total\_price)/COUNT(DISTINCT order\_id) AS Avg\_order\_Value FROM pizza\_sales

****

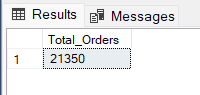
1. **Total Pizza Sold**

SELECT SUM(quantity) AS Total\_Pizza\_Sold FROM pizza\_sales

****

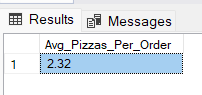
1. **Total Orders**

SELECT COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales

****

1. **Average Pizzas 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\_Pizzas\_Per\_Order FROM pizza\_sales



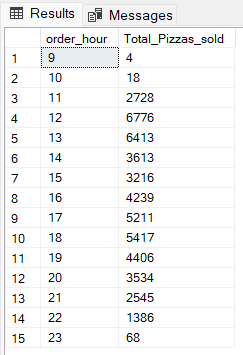
1. **Hourly Trend for Total Pizza Sold**

SELECT DATEPART(HOUR, order\_time) as order\_hour, SUM(quantity) as Total\_Pizzas\_sold

FROM pizza\_sales

GROUP BY DATEPART(HOUR, order\_time)

ORDER BY DATEPART(HOUR, order\_time)



1. **Weekly Trend for Orders**

SELECT DATEPART(ISO\_WEEK, order\_date) as week\_number,

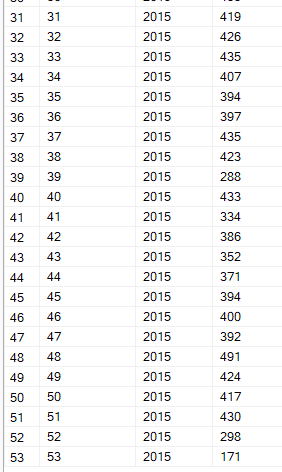
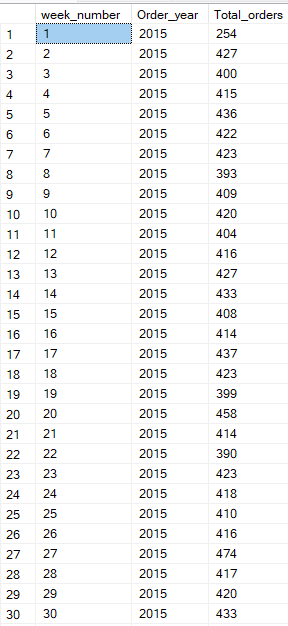
YEAR(order\_date) AS Order\_year,

COUNT(DISTINCT order\_id)AS Total\_orders

FROM pizza\_sales

GROUP BY DATEPART(ISO\_WEEK, order\_date), YEAR(order\_date)

ORDER BY DATEPART(ISO\_WEEK, order\_date), YEAR(order\_date)

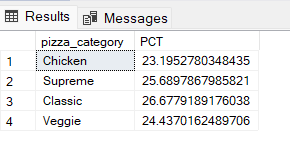


1. **% Total Pizzas Sold by Pizza category**

SELECT pizza\_category, sum(total\_price)\* 100 / (SELECT sum(total\_price) from pizza\_sales WHERE MONTH(order\_date) = 1) AS PCT

from pizza\_sales WHERE MONTH(order\_date) = 1

GROUP BY pizza\_category



1. **Percentage of Sale by Pizza Size:**

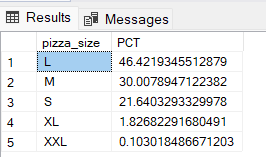
SELECT pizza\_size, sum(total\_price)\* 100 / (SELECT sum(total\_price) from pizza\_sales WHERE MONTH(order\_date) = 1) AS PCT

from pizza\_sales

WHERE MONTH(order\_date) = 1

GROUP BY pizza\_size

ORDER BY PCT DESC

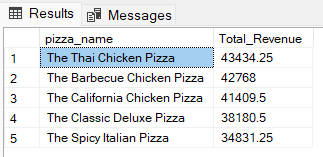


1. TOP 5 pizza by Revenue

SELECT TOP 5 pizza\_name, SUM(total\_price) AS Total\_Revenue FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue DESC

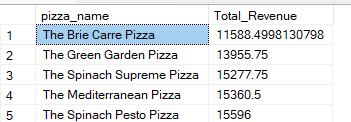


1. Bottom 5 Pizza by Revenue

SELECT TOP 5 pizza\_name, SUM(total\_price) AS Total\_Revenue FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Revenue ASC

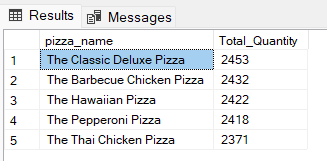


1. Top 5 pizza by Quantity

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Quantity FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Quantity DESC

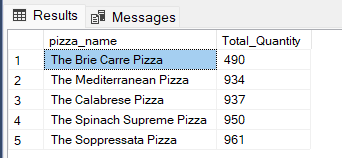


1. Bottom 5 Pizza by quantity

SELECT TOP 5 pizza\_name, SUM(quantity) AS Total\_Quantity FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Quantity ASC

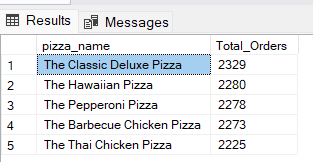


1. Top 5 pizzas by Total Orders

SELECT TOP 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders DESC



1. Bottom 5 pizza by Total orders

SELECT TOP 5 pizza\_name, COUNT(DISTINCT order\_id) AS Total\_Orders FROM pizza\_sales

GROUP BY pizza\_name

ORDER BY Total\_Orders ASC

