

2

3

2

Headphones

Batteries

3

7

13

1600.00

91.93

51.96

533.33

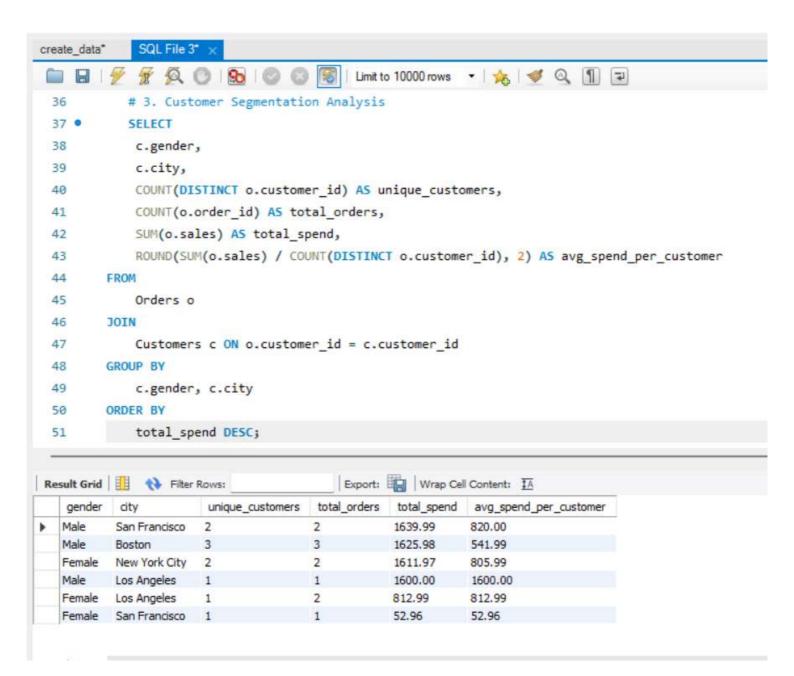
13.13

4.00

Flatscreen TV

Wired Headphones

AA Batteries (4-pack)



```
53
           # 4. Time-Based Analysis (Daily Patterns)
 54
           SELECT
 55 •
 56
           DAYNAME(order_date) AS day_of_week,
            COUNT(order_id) AS orders_count,
 57
 58
            SUM(sales) AS daily_revenue,
            ROUND(SUM(sales) / COUNT(order_id), 2) AS avg_order_value
 59
        FROM
 60
 61
            Orders
        GROUP BY
 62
 63
            day_of_week
        ORDER BY
 64
 65
        FIELD(day_of_week, 'Monday', 'Tuesday', 'Wednesday', 'Thursday', 'Friday', 'Saturday', 'Sunday');
Export: Wrap Cell Content: TA
  day_of_week orders_count daily_revenue
                                     avg_order_value
  Monday
                         800.00
                                     800.00
  Tuesday
                         800.00
                                     800.00
              1
  Wednesday
                         1652.96
                                     826.48
```

Thursday

Saturday

Sunday

2

1

Friday

3211.97

812.99

25.98

39.99

1070.66

406.50

25.98

39.99

```
#5. Customer Purchase Frequency
68
69 •
          SELECT
70
          c.customer_name,
71
          c.city,
72
          COUNT(o.order_id) AS order_count,
          SUM(o.sales) AS total_spend,
73
74
          DATEDIFF(MAX(o.order_date), MIN(o.order_date)) AS days_active,
          ROUND(COUNT(o.order_id) / (DATEDIFF(MAX(o.order_date), MIN(o.order_date)) / 30), 2) AS orders_per_month
75
       FROM
76
77
          Orders o
78
       JOIN
79
          Customers c ON o.customer_id = c.customer_id
80
       GROUP BY
81
          c.customer_id, c.customer_name, c.city
82
       HAVING
 83
          COUNT(o.order_id) > 1
       ORDER BY
 84
          order_count DESC;
 85
Export: Wrap Cell Content: A
  customer_name city
                       order_count total_spend days_active orders_per_month
 Anna Anderson Los Angeles 2
                                812.99
```

```
# 6. Product Category Performance Over Time
 88
        SELECT
 89 •
            DATE_FORMAT(o.order_date, '%Y%m') AS year,
90
 91
            p.category,
            SUM(o.sales) AS category_revenue,
 92
93
            ROUND(SUM(o.sales) * 100 / (
                SELECT SUM(sales)
94
                FROM Orders o2
95
                WHERE DATE_FORMAT(o2.order_date, '%Y%m') = DATE_FORMAT(o.order_date, '%Y%m')
96
97
            ), 2) AS revenue_percentage
        FROM
98
99
            Orders o
        JOIN
100
101
            Products p ON o.product_id = p.product_id
        GROUP BY
102
103
            DATE_FORMAT(o.order_date, '%Y%m'),
104
            p.category
        ORDER BY
105
            year,
106
107
            category_revenue DESC;
```