Ecommerce Sales Report

Insights and Recommendations

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Executive Summary

This report provides an in-depth analysis of sales performance, product categories, order fulfillment, payment methods, and customer retention. Using SQL and Python, we analyzed data to uncover insights and make recommendations for optimizing business performance.

• **Total Revenue:** \$13,591,643.70

• **Total Orders:** 99,441

• Average Order Value: \$137.75

• Average Delivery Time: 12.0 days

• Retention Rate: 0.0%

Detailed Analysis

Revenue and Orders

Total Revenue: \$13,591,643.70

Total Orders: 99,441

Average Order Value: \$137.75

Insights:

- High average order value suggests that customers are making substantial purchases, which is positive for revenue.
- The total revenue indicates a strong overall performance, but a deeper dive into revenue sources and trends can provide more actionable insights.

- **Promotions and Bundling:** Consider offering promotions or bundling products to increase the average order value further.
- Customer Segmentation: Analyze customer segments to tailor marketing strategies that could boost order frequency and revenue.

Order Status Distribution

Order Status	Order Count
Shipped	1,107
Unavailable	609
Invoiced	314
Created	5
Approved	2
Processing	301
Delivered	96,478
Canceled	625

Insights:

- **Delivered Orders:** Majority are delivered, which is positive.
- Unavailable Orders: A significant number of orders are marked as unavailable, which could impact customer satisfaction.
- Canceled Orders: Low cancellation rate suggests effective order management.

- **Inventory Management:** Investigate causes of unavailable statuses to improve inventory forecasting and supplier coordination.
- Order Fulfillment: Enhance tracking and communication for orders in "Processing" and "Invoiced" statuses to prevent delays.

Quarterly Revenue Trend

Quarter	Total Revenue
2016-3	\$267.36
2016-4	\$49,518.56
2017-1	\$741,960.19
2017-2	\$1,299,036.97
2017-3	\$1,696,404.85
2017-4	\$2,418,404.97
2018-1	\$2,777,422.51
2018-2	\$2,858,289.74
2018-3	\$1,750,338.55

Insights:

- Steady revenue growth from 2016 to 2018, with peaks in late 2017 and early 2018.
- Decline in Q3 2018 needs further investigation.

- Trend Analysis: Analyze marketing campaigns, seasonal effects, or competitive factors influencing revenue drops.
- Strategic Planning: Use revenue trends to forecast and plan for future periods, optimizing inventory and marketing strategies accordingly.

Product Category Revenue Share

Product Category	Total Revenue
Health Beauty	\$1,258,681.34
Watches Present	\$1,205,005.68
Bed Table Bath	\$1,036,988.68
Sport Leisure	\$988,048.97
Computer Accessories	\$911,954.32
Furniture Decoration	\$729,762.49
Cool Stuff	\$635,290.85
Housewares	\$632,248.66
Automotive	\$592,720.11
Garden Tools	\$485,256.46

Insights:

- **Top Categories:** Health Beauty and Watches Present are top revenue categories.
- **Lower Categories:** Garden Tools has the lowest revenue share among top categories.

- Category Focus: Allocate more resources to top-performing categories and explore growth opportunities in lower-performing ones.
- Market Research: Conduct market research to understand demand in categories like Garden Tools and explore strategies to boost sales.

Delivery Time Distribution

Delivery Time Bin	Count
0-10	46,482
11-20	35,768
21-30	9,673
31-40	2,796
41-50	1,086
51-60	365
61-70	126
71-80	74
81-90	29
91-100	13
101-150	40
151-200	22
201-250	2

Insights:

- Majority of deliveries occur within 0-10 days, which is excellent.
- A small fraction of deliveries take longer than 30 days, which may be due to logistical issues.

- Logistics Improvement: Optimize logistics and supply chain processes to minimize delivery times beyond 30 days.
- **Customer Communication:** Improve communication with customers regarding estimated delivery times to manage expectations.

Top 10 Sellers By Total Revenue

Seller ID	Total Revenue
4869f7a5dfa277a7dca6462dcf3b52b2	\$229,472.63
53243585a1d6dc2643021fd1853d8905	\$222,776.05
4a3ca9315b744ce9f8e9374361493884	\$200,472.92
fa1c13f2614d7b5c4749cbc52fecda94	\$194,042.03
7c67e1448b00f6e969d365cea6b010ab	\$187,923.89
7e93a43ef30c4f03f38b393420bc753a	\$176,431.87
da8622b14eb17ae2831f4ac5b9dab84a	\$160,236.57
7a67c85e85bb2ce8582c35f2203ad736	\$141,745.53
1025f0e2d44d7041d6cf58b6550e0bfa	\$138,968.55
955fee9216a65b617aa5c0531780ce60	\$135,171.70

Insights:

- **High Revenue Sellers:** Top sellers contribute a significant portion of revenue.
- **Potential Partnerships:** High-revenue sellers could be leveraged for exclusive deals or partnerships.

- Strategic Partnerships: Explore strategic partnerships or exclusive offers with top sellers to enhance sales.
- **Seller Support:** Provide additional support and resources to top sellers to maximize their performance.

Top 10 Products By Quantity Sold

Product ID	Quantity Sold
aca2eb7d00ea1a7b8ebd4e68314663af	527
99a4788cb24856965c36a24e339b6058	488
422879e10f46682990de24d770e7f83d	484
389d119b48cf3043d311335e499d9c6b	392
368c6c730842d78016ad823897a372db	388
53759a2ecddad2bb87a079a1f1519f73	373
d1c427060a0f73f6b889a5c7c61f2ac4	343
53b36df67ebb7c41585e8d54d6772e08	323
154e7e31ebfa092203795c972e5804a6	281
3dd2a17168ec895c781a9191c1e95ad7	274

Insights:

- **High Quantity Products:** Products with high quantities sold reflect strong demand and popularity.
- **Inventory Management:** Ensure adequate inventory levels for high-quantity products to avoid stockouts.

- **Marketing Focus:** Promote high-quantity products more aggressively.
- **Inventory Planning:** Optimize inventory planning to ensure availability of top-selling products.

Revenue Contribution By Payment Type

Payment Type	Total Revenue
Debit Card	\$217,989.80
Voucher	\$379,436.90
UPI	\$2,869,361.00
Credit Card	\$12,542,083.00

Insights:

- **Credit Card Dominance:** Credit card payments contribute the most to total revenue.
- **UPI Growth:** UPI payments are growing and contribute significantly.

- Payment Methods: Encourage customers to use payment methods that are already successful, such as credit cards.
- **Expand Payment Options:** Consider expanding payment options to include more digital methods like UPI.

```
[1]: import pandas as pd
      import matplotlib.pyplot as plt
      import seaborn as sns
      import plotly.express as px
      import numpy as np
      from matplotlib.colors import LinearSegmentedColormap
      import plotly.graph_objects as go
      from sqlalchemy import create_engine
[2]:
     db = create_engine('postgresql://postgres:password@localhost:5432/ecommerce')
     query='''
[3]:
      -- 1. Total Revenue:
      -- Description: Total amount of money earned from sales.
     SELECT round(SUM(price)::numeric,2) AS total_revenue
     FROM order_items;
     data = pd.read_sql(query, db)
     print(f'Total Revenue (Sales) : {data['total_revenue'][0]}')
      Total Revenue (Sales): 13591643.7
```

```
query='''
[4]:
     -- 2. Average Order Value (AOV):
     -- Description: Average amount spent per order.
     SELECT round(AVG(total order value)::numeric,2) AS average order value
     FROM (
         SELECT order id, SUM(price) AS total order value
         FROM order items
         GROUP BY order id
     ) AS order totals;
      0.00
     data = pd.read sql(query, db)
     print(f'Average Order Value : {data['average_order_value'][0]}')
     Average Order Value: 137.75
     query='''
[5]:
     -- Total Number of Orders:
     -- Description: Total count of orders placed.
     SELECT COUNT(DISTINCT order id) AS total orders
     FROM orders;
      0.00
     data = pd.read_sql(query, db)
     print(f'Total Orders : {data['total orders'][0]}')
     Total Orders: 99441
```

```
query='''
-- Average Delivery Time:
-- Description: Average time taken to deliver an order from purchase to delivery.
SELECT
    round(AVG(EXTRACT(day FROM (order_delivered_customer_date::timestamp - order_purchase_timestamp::timestamp))),0) AS average_delivery_time
FROM orders
WHERE order delivered customer date IS NOT NULL;
data = pd.read_sql(query, db)
print(f'Average Delivery Time : {data['average_delivery_time'][0]}')
```

Average Delivery Time : 12.0

```
query='''
[9]:
     -- Order Status Distribution:
     -- Description: Distribution of different order statuses (e.g., delivered, shipped).
     SELECT order_status, COUNT(*) AS order_count
     FROM orders
     GROUP BY order_status;
     11.11
     data = pd.read_sql(query, db)
     print(f'Order Status Distribution : \n\n{data}')
     Order Status Distribution:
       order_status order_count
            shipped
                            1107
     1 unavailable
                             609
           invoiced
                             314
          created
     3
                               5
           approved
     4
```

processing

delivered

canceled

301

625

96478

```
query=""
[10]:
      WITH customer_order_counts AS (
          SELECT customer id, COUNT(order id) AS order count
          FROM orders
          GROUP BY customer id
      SELECT
          round((COUNT(CASE WHEN order_count > 1 THEN 1 END) * 100.0 / COUNT(*)),0) AS retention_rate
      FROM customer order counts;
      111
      data = pd.read_sql(query, db)
      print(f'Retention Rate : {data['retention rate'][0]}')
```

Retention Rate: 0.0

```
query='''
[12]:
              SELECT
                  TO_CHAR(date_trunc('quarter', o.order_purchase_timestamp::timestamp), 'YYYY-Q') AS quarter,
                  round(SUM(oi.price)::numeric,2) AS total revenue
              FROM
                  orders o
              JOIN
                  order_items oi ON o.order_id = oi.order_id
              GROUP BY
                  quarter
              ORDER BY
                  quarter;
      data=pd.read_sql(query, db)
      print(f'Quarterly Total Revenue Trend : \n\n{data}')
      Quarterly Total Revenue Trend:
        quarter total revenue
      0 2016-3
                        267.36
      1 2016-4
                      49518.56
      2 2017-1
                     741960.19
        2017-2
                    1299036.97
                    1696404.85
        2017-3
      5 2017-4
                    2418404.97
```

2018-1

7 2018-2

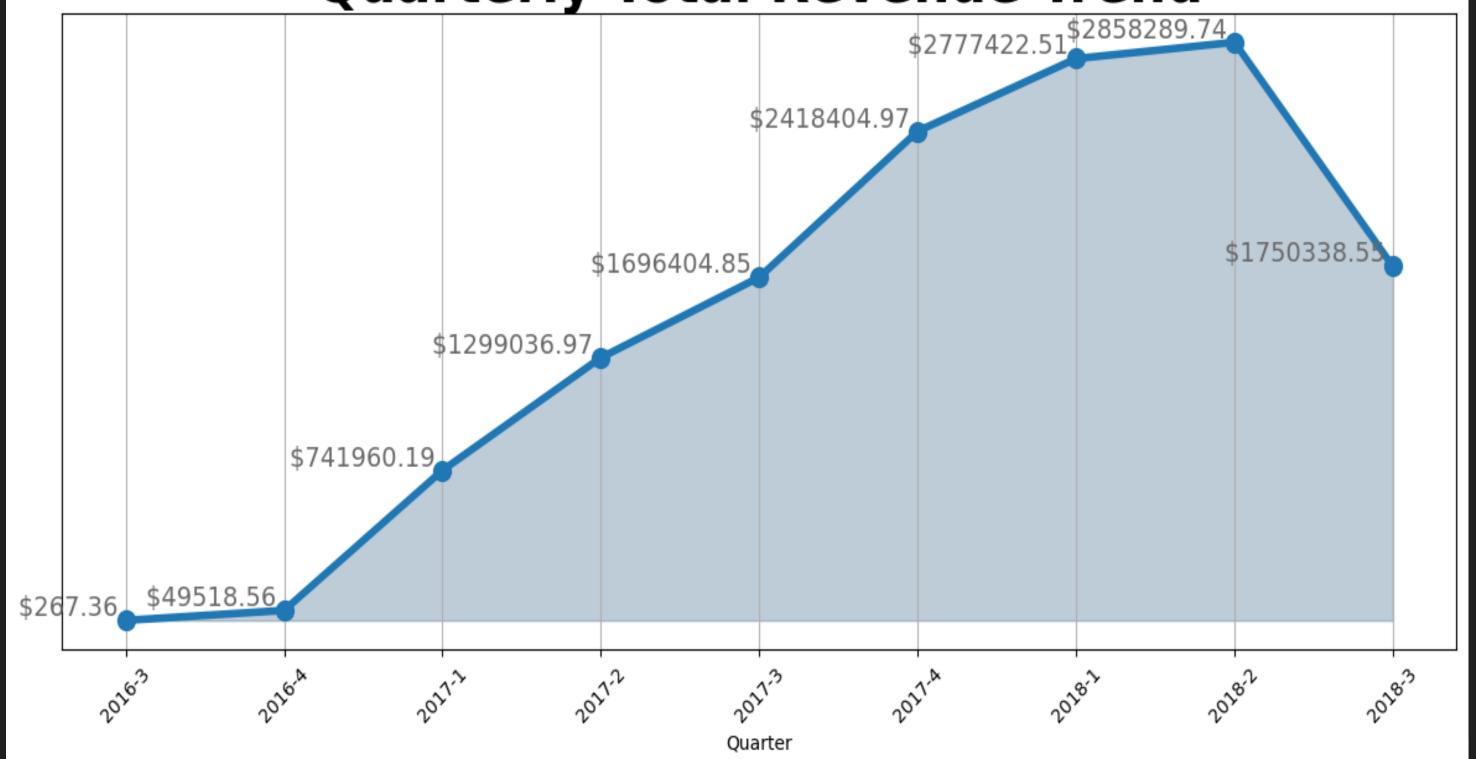
2777422.51

2858289.74

```
# Monthly Revenue Trend
plt.figure(figsize=(12, 6))
plt.fill_between(data['quarter'],data['total_revenue'], color='#5e819d' , alpha=0.4) # Area
plt.plot(data['quarter'], data['total_revenue'], marker='o', markersize=10, linestyle='-', linewidth=4)
plt.title('Quarterly Total Revenue Trend', fontsize=30, fontweight='bold')
plt.xlabel('Quarter')
plt.ylabel('')
plt.yticks([])
plt.xticks(rotation=45)
plt.grid(True)
# Annotate each data point with its value
ax = plt.gca() # Get current axis
for i, (quarter, revenue) in enumerate(zip(data['quarter'],
                                            data['total revenue'])):
    ax.text(quarter, revenue, f'${revenue:.2f} ', color='dimgrey', ha='right', va='bottom', fontsize=14,
            # bbox=dict(facecolor='white', edgecolor='none', alpha=0.7))
plt.tight_layout()
plt.show()
```

ⅎ

Quarterly Total Revenue Trend



```
query='''
[14]:
              SELECT
                  p.product_category,
                  round(SUM(oi.price)::numeric,2) AS total_revenue
              FROM
                  order items oi
              JOIN
                  products p ON oi.product id = p.product id
              GROUP BY
                  p.product category
              ORDER BY
                  total revenue desc
              LIMIT 10
      data = pd.read_sql(query, db)
      print(f'Product Category Share : \n\n{data}')
      Product Category Share:
             product_category total_revenue
                HEALTH BEAUTY
                                  1258681.34
       0
              Watches present
                                  1205005.68
       1
               bed table bath
                                  1036988.68
       2
                sport leisure
                                   988048.97
       3
         computer accessories
                                   911954.32
         Furniture Decoration
                                    729762.49
```

Cool Stuff

housewares automotive

Garden tools

635290.85 632248.66

592720.11

485256.46

6

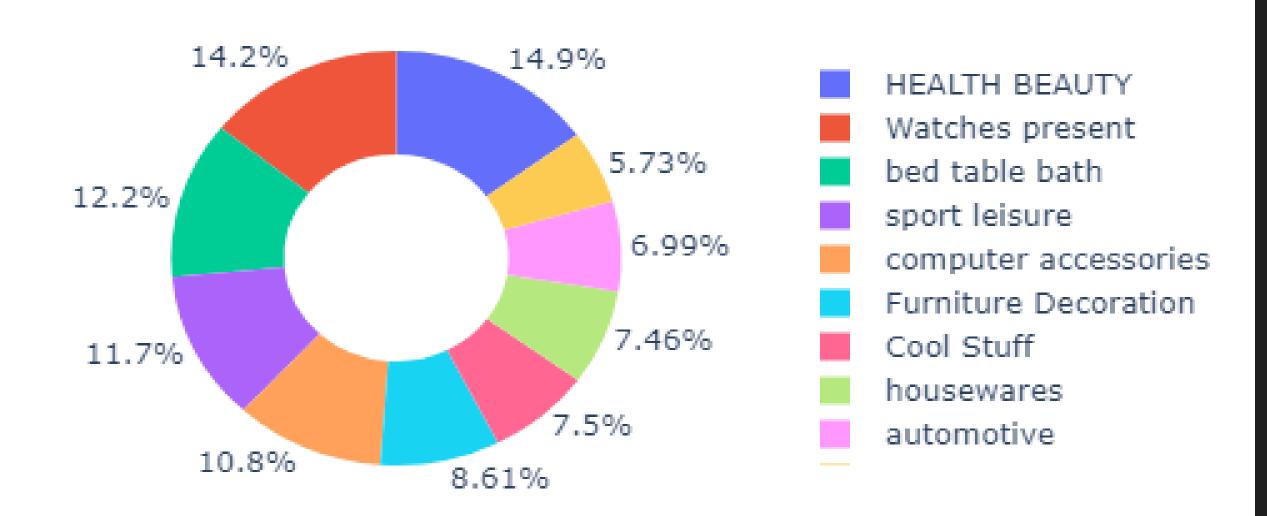
7

8

9

```
# Product Category Share
fig = px.pie(data,
             names='product_category',
             values='total_revenue',
             title='Product Category Share',
             # color_discrete_sequence=px.colors.sequential.RdBu,
             hole=0.5 # Create a donut chart if you prefer
fig.update_layout(title_font_size=30, # Title font size
                  title_font_family='Arial', # Title font family
                 title_font_weight='bold'
# Update traces to label data outside the pie slices
fig.update traces(
    textinfo='percent', # Display label, percent, and value
    textposition='outside', # Position text outside of the pie slices
fig.show()
```

Product Category Share



Delivery Time Distribution :

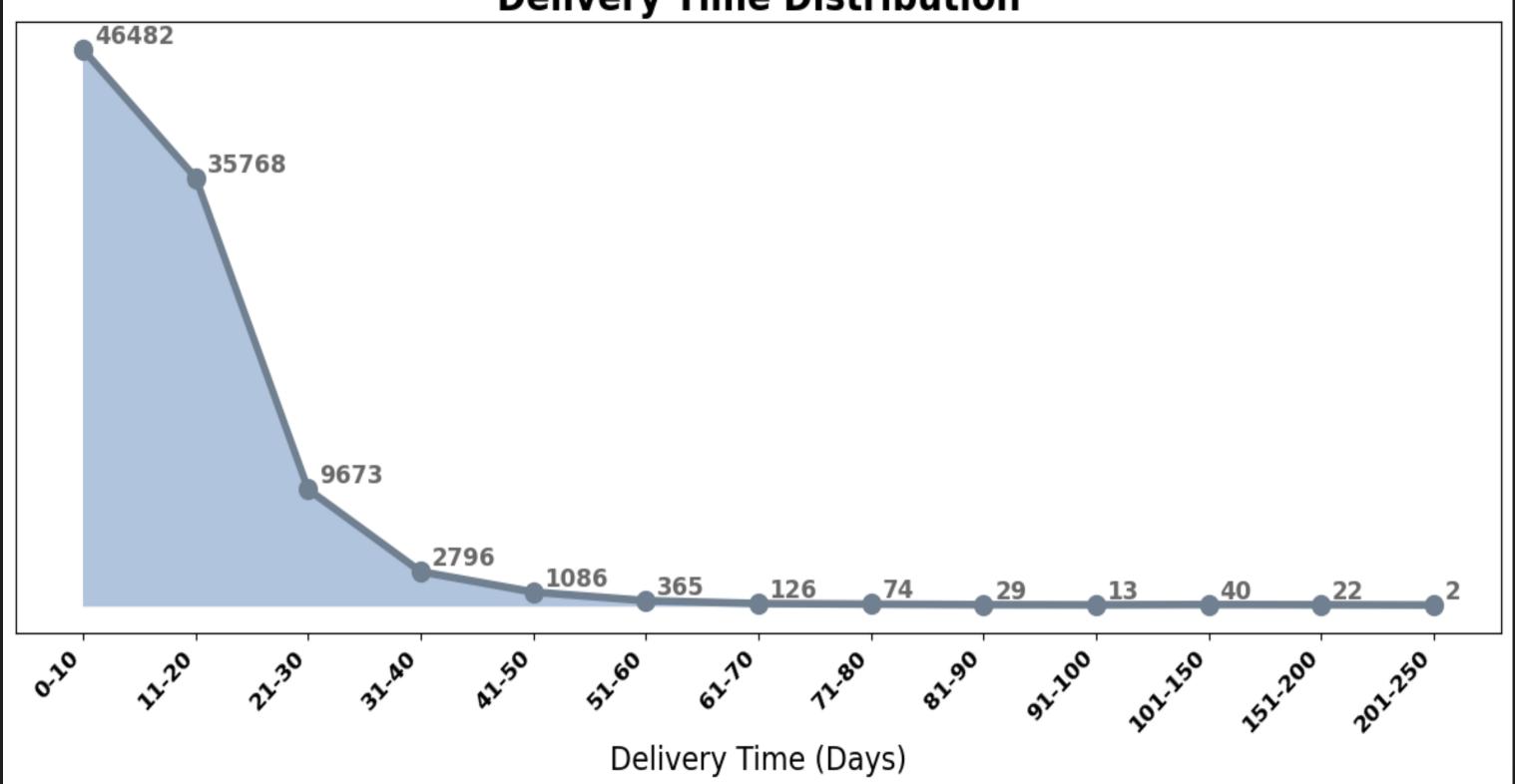
	delivery_time	count	
0	209.0	1	
1	208.0	1	
2	195.0	1	
3	194.0	3	
4	191.0	1	
141	4.0	4828	
142	3.0	3849	
143	2.0	3168	
144	1.0	1572	
145	0.0	13	

[146 rows x 2 columns]

```
df = data
·[17]:
       # Define bins for delivery times
       bins = [0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200, 250]
       labels = ['0-10', '11-20', '21-30', '31-40', '41-50', '51-60', '61-70', '71-80', '81-90', '91-100', '101-150', '151-200',
                 "201-250"]
       # Create a new column 'delivery time bin' based on the bins
       df['delivery time bin'] = pd.cut(df['delivery time'], bins=bins, labels=labels, right=False)
       # Aggregate counts by bins
       df grouped = df.groupby('delivery time bin').agg({'count': 'sum'}).reset index()
       # Display the aggregated DataFrame
       print(df grouped)# Convert labels to a numeric range for plotting
       x labels = list(range(len(labels)))
       count=df grouped['count']
       # Plot the area plot
       plt.figure(figsize=(12, 6))
       # plt.fill between(x labels, count, color='#00008B', alpha=0.4) # Area
       plt.fill between(x labels, count, color='lightsteelblue') # Area
       # plt.plot(x labels, count, color='#030764', alpha=0.8, linewidth=2, marker='o') # Line
       plt.plot(x labels, count, color='slategrey', linewidth=4, marker='o', markersize=10) # Line
       # Add labels to each data point
       for x, y in zip(x labels, count):
           plt.text(x+0.1, y + 10, int(y), ha='left', va='bottom', fontsize=13, color='dimgrey', fontweight='bold')
       # Set the x-axis with bin labels
       plt.xticks(x labels, labels, rotation=45, ha='right', fontsize=12, fontweight='semibold')
       # Title and labels
       plt.title('Delivery Time Distribution', fontsize=20, fontweight='bold')
       plt.xlabel('Delivery Time (Days)', fontsize=16)
       plt.ylabel('')
       plt.yticks([])
       plt.tight layout()
       plt.show()
```

	delivery_time_bin	count	
0	0-10	46482	
1	11-20	35768	
2	21-30	9673	
3	31-40	2796	
4	41-50	1086	
5	51-60	365	
6	61-70	126	
7	71-80	74	
8	81-90	29	
9	91-100	13	
10	101-150	40	
11	151-200	22	
12	201-250	2	





```
query='''
[20]:
       SELECT
                  s.seller id,
                  round(SUM(oi.price)::numeric,2) AS total revenue
              FROM
                  order items oi
              JOIN
                  sellers s ON oi.seller id = s.seller id
              GROUP BY
                  s.seller id, s.seller city, s.seller state
              ORDER BY
                  total revenue DESC
              LIMIT 10;
      1.1.1
      data=pd.read sql(query, db)
      print(f'Top 10 Sellers By Total Revenue : \n\n{data}')
      Top 10 Sellers By Total Revenue :
                                seller id total revenue
      0 4869f7a5dfa277a7dca6462dcf3b52b2
                                                229472.63
         53243585a1d6dc2643021fd1853d8905
                                               222776.05
      2 4a3ca9315b744ce9f8e9374361493884
                                               200472.92
         fa1c13f2614d7b5c4749cbc52fecda94
                                               194042.03
         7c67e1448b00f6e969d365cea6b010ab
                                               187923.89
      5 7e93a43ef30c4f03f38b393420bc753a
                                               176431.87
         da8622b14eb17ae2831f4ac5b9dab84a
                                               160236.57
         7a67c85e85bb2ce8582c35f2203ad736
                                               141745.53
```

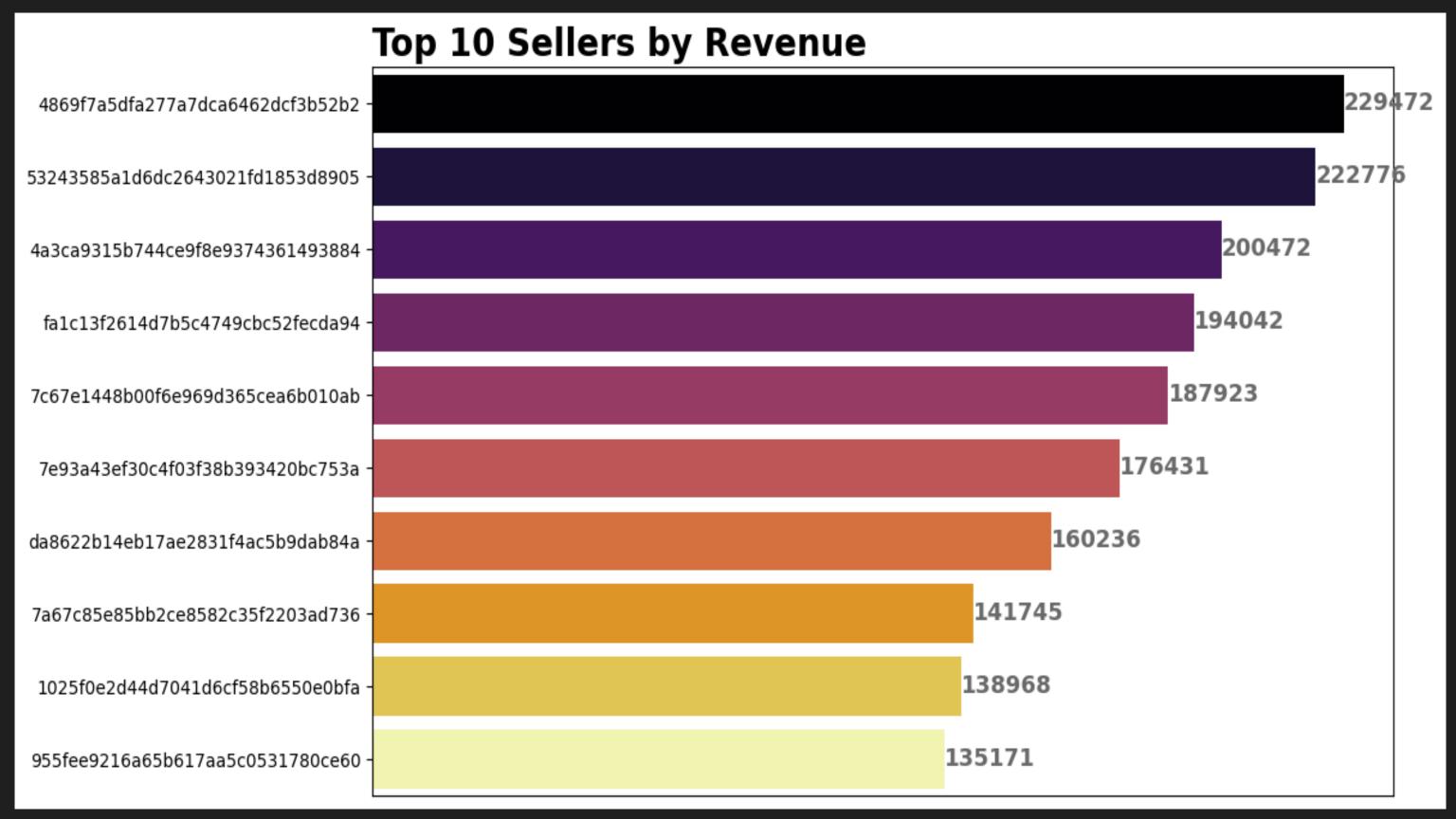
8 1025f0e2d44d7041d6cf58b6550e0bfa

9 955fee9216a65b617aa5c0531780ce60

138968.55

135171.70

```
[21]: # Top 10 Sellers by Revenue
       cmap=plt.get_cmap('inferno')
       plt.figure(figsize=(12, 6))
       sns.barplot(data=data, x='total_revenue', y='seller_id', palette=cmap(np.linspace(0, 1, len(data))))
      # Add labels to each data point
       for index, row in data.iterrows():
          plt.text(
               row['total_revenue'] + 0.1, # x-coordinate
               index, # y-coordinate
               int(row['total_revenue']), # text label
               ha='left',
               va='center', # Align text vertically centered to the y-coordinate
               fontsize=13,
               color='dimgrey',
               fontweight='bold'
       plt.title('Top 10 Sellers by Revenue', fontsize=20, fontweight='bold', loc='left')
      plt.xlabel('')
       plt.xticks([])
      plt.ylabel('')
      plt.tight_layout()
       plt.show()
```



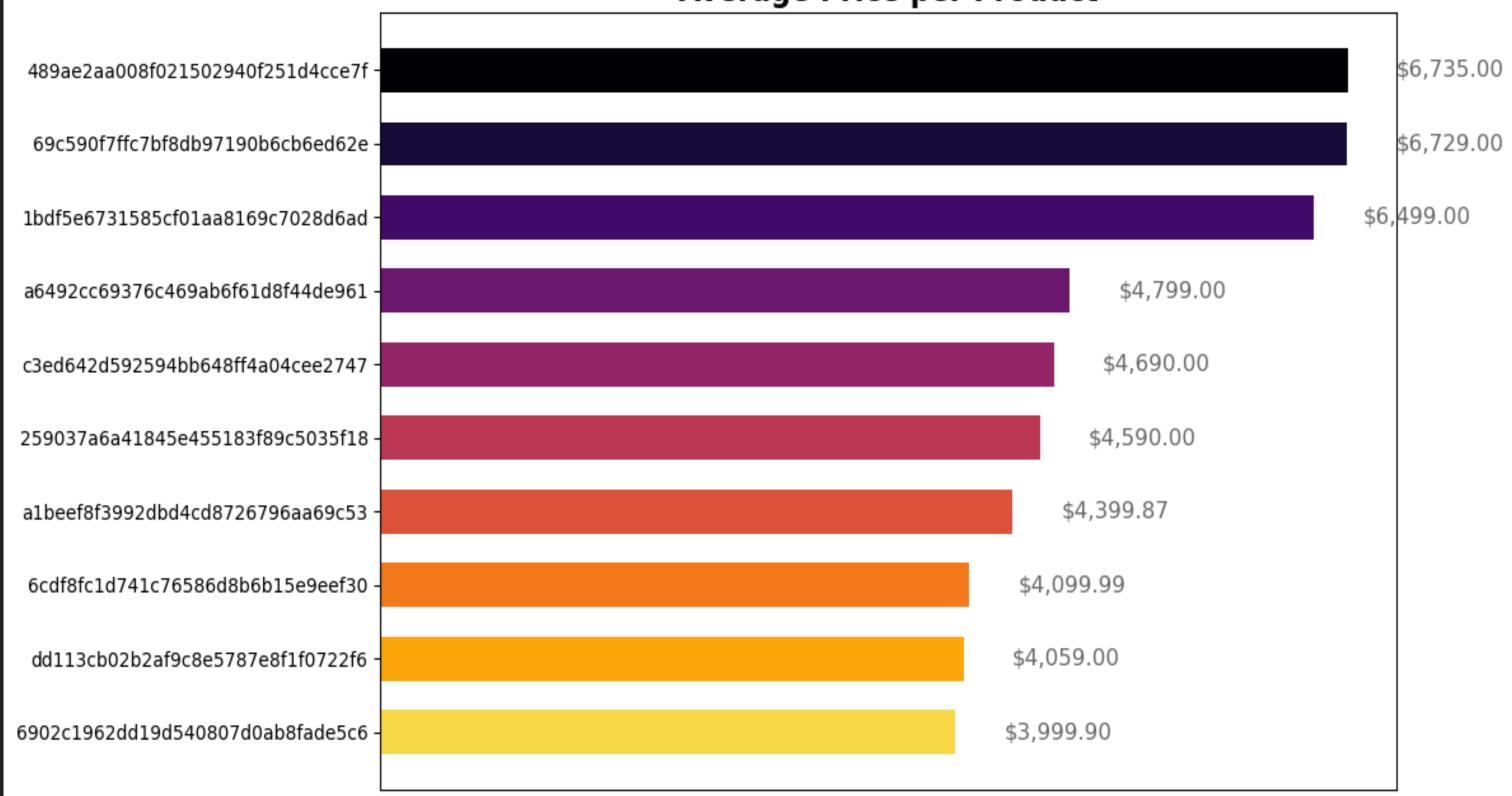
```
query='''
[22]:
              SELECT
                  p.product_id,
                  oi.price price
              FROM
                  order_items oi
              JOIN
                  products p ON oi.product id = p.product id
              ORDER BY
                  price DESC
              LIMIT 10
      data = pd.read sql(query, db)
      print(f'Average Price Per Products : \n\n{data}')
      Average Price Per Products :
                               product id
                                             price
         489ae2aa008f021502940f251d4cce7f 6735.00
         69c590f7ffc7bf8db97190b6cb6ed62e 6729.00
         1bdf5e6731585cf01aa8169c7028d6ad 6499.00
         a6492cc69376c469ab6f61d8f44de961 4799.00
         c3ed642d592594bb648ff4a04cee2747 4690.00
```

259037a6a41845e455183f89c5035f18 4590.00 a1beef8f3992dbd4cd8726796aa69c53 4399.87 6cdf8fc1d741c76586d8b6b15e9eef30 4099.99 dd113cb02b2af9c8e5787e8f1f0722f6 4059.00

6902c1962dd19d540807d0ab8fade5c6 3999.90

```
# Define the number of stages (i.e., number of products)
•[23]:
       stages = len(data)
       stage labels = data['product id']
       prices = data['price']
       # Create the funnel chart
       plt.figure(figsize=(12, 6))
       # Create the funnel stages with bars
       for i, (price, label) in enumerate(zip(prices, stage_labels)):
              # Calculate the color for the current bar
           color = cmap(i / stages) # Use the colormap to get the gradient color
           plt.barh(i, price, color=color, height=0.6)
           plt.text(price + 0.05 * prices.max(), i, f'${price:,.2f}', va='center', fontsize=12, color='dimgrey')
       # Adjust the plot
       plt.yticks(np.arange(stages), labels=stage_labels)
       plt.xticks([])
       # plt.xlabel('Price')
       plt.title('Average Price per Product', fontsize=16, fontweight='bold')
       plt.gca().invert_yaxis() # Invert y-axis to have the largest value at the top
       plt.tight_layout()
       # Show the plot
       plt.show()
```

Average Price per Product



```
query='''
                                                                                                                                         ⊕
•[24]:
         SELECT
                   c.customer_state,
                   round(SUM(oi.price)::numeric,2) AS total_sales
               FROM
                   order items oi
               JOIN
                   orders o ON oi.order id = o.order id
               JOIN
                   customers c ON o.customer_id = c.customer_id
               GROUP BY
                   c.customer_state
               ORDER BY
                   total_sales desc
               LIMIT 10;
       data = pd.read_sql(query, db)
       print(f'Top 10 States By Total Revenue (Sales) : \n\n{data}')
       Top 10 States By Total Revenue (Sales) :
         customer_state total_sales
                          5202955.05
       0
                          1824092.67
                          1585308.03
       2
                     MG
                           750304.02
       3
                     R5
       4
                           683083.76
                     PR
                           520553.34
                     SC
                           511349.99
       6
                     BA
```

7

8

9

DF

GO

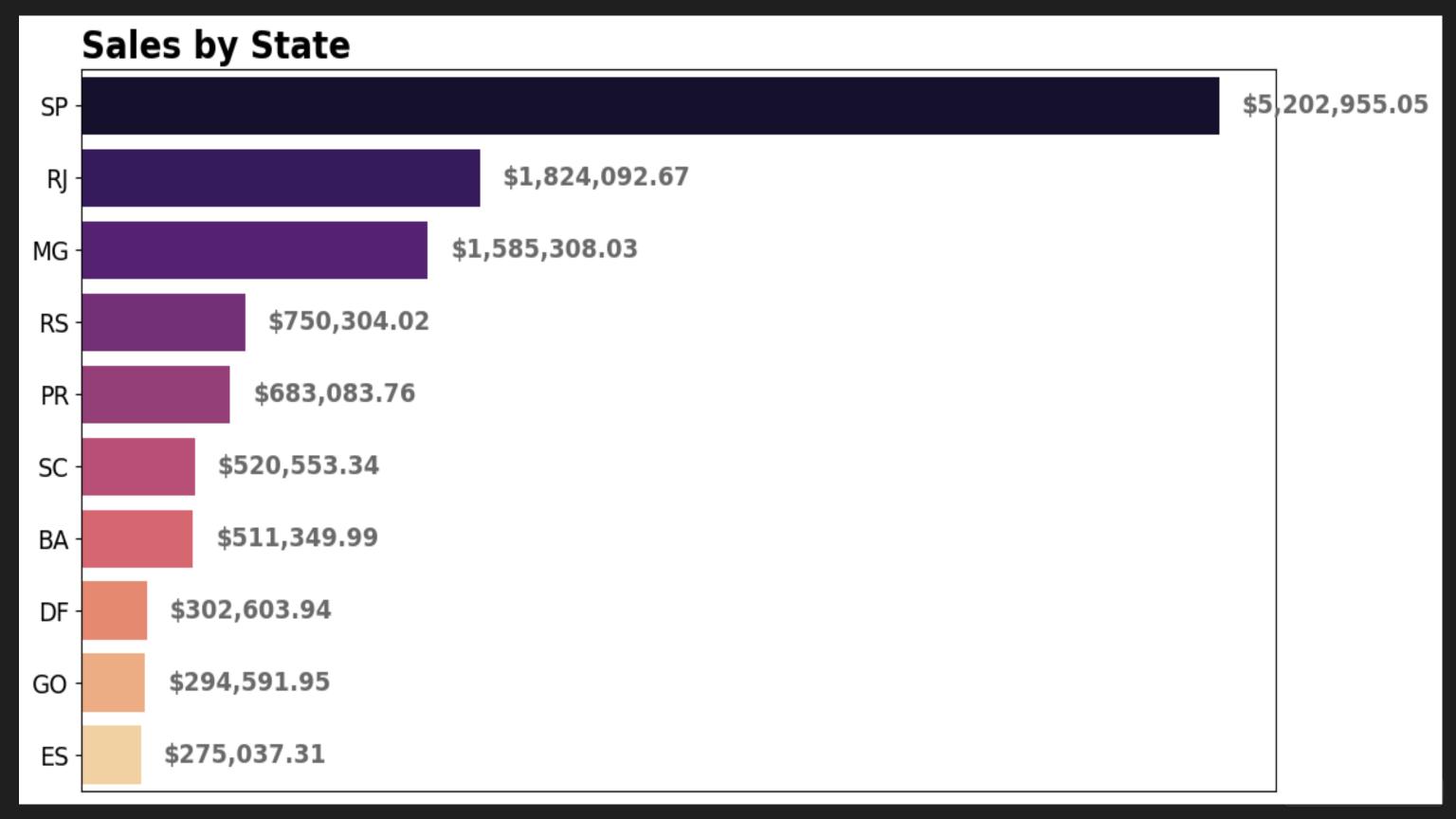
E5

302603.94

294591.95

275037.31

```
# Sales by State
•[25]:
       plt.figure(figsize=(12, 6))
       sns.barplot(data=data, x='total_sales', y='customer_state', palette='magma',legend=False)
       # Add data labels to each bar
       for index, value in enumerate(data['total_sales']):
           plt.text(value + 0.02 * data['total_sales'].max(), index, f'${value:,.2f}', va='center', fontsize=14, color='dimgrey', fontweight='bold')
       # Add title and labels
       plt.title('Sales by State', loc='left', fontsize=20, fontweight='bold')
       plt.ylabel('')
       plt.yticks(data['customer_state'], fontsize=14)
       plt.xticks([])
       plt.xlabel('')
       plt.grid(False)
       plt.tight_layout()
       plt.show()
```



```
query=""
[26]:
       SELECT
                  p.product id,
                  COUNT(oi.order_item_id) AS quantity_sold
              FROM
                  order items oi
              JOIN
                  products p ON oi.product id = p.product id
              GROUP BY
                  p.product_id
              ORDER BY
                  quantity_sold DESC
              LIMIT 10;
      data= pd.read sql(query, db)
      print(f'Top 10 Products By Quantity Sold : \n\n{data}')
      Top 10 Products By Quantity Sold :
                               product_id quantity_sold
         aca2eb7d00ea1a7b8ebd4e68314663af
                                                     527
         99a4788cb24856965c36a24e339b6058
                                                      488
         422879e10f46682990de24d770e7f83d
                                                     484
         389d119b48cf3043d311335e499d9c6b
                                                     392
         368c6c730842d78016ad823897a372db
                                                     388
```

373

343

323

281

274

53759a2ecddad2bb87a079a1f1519f73

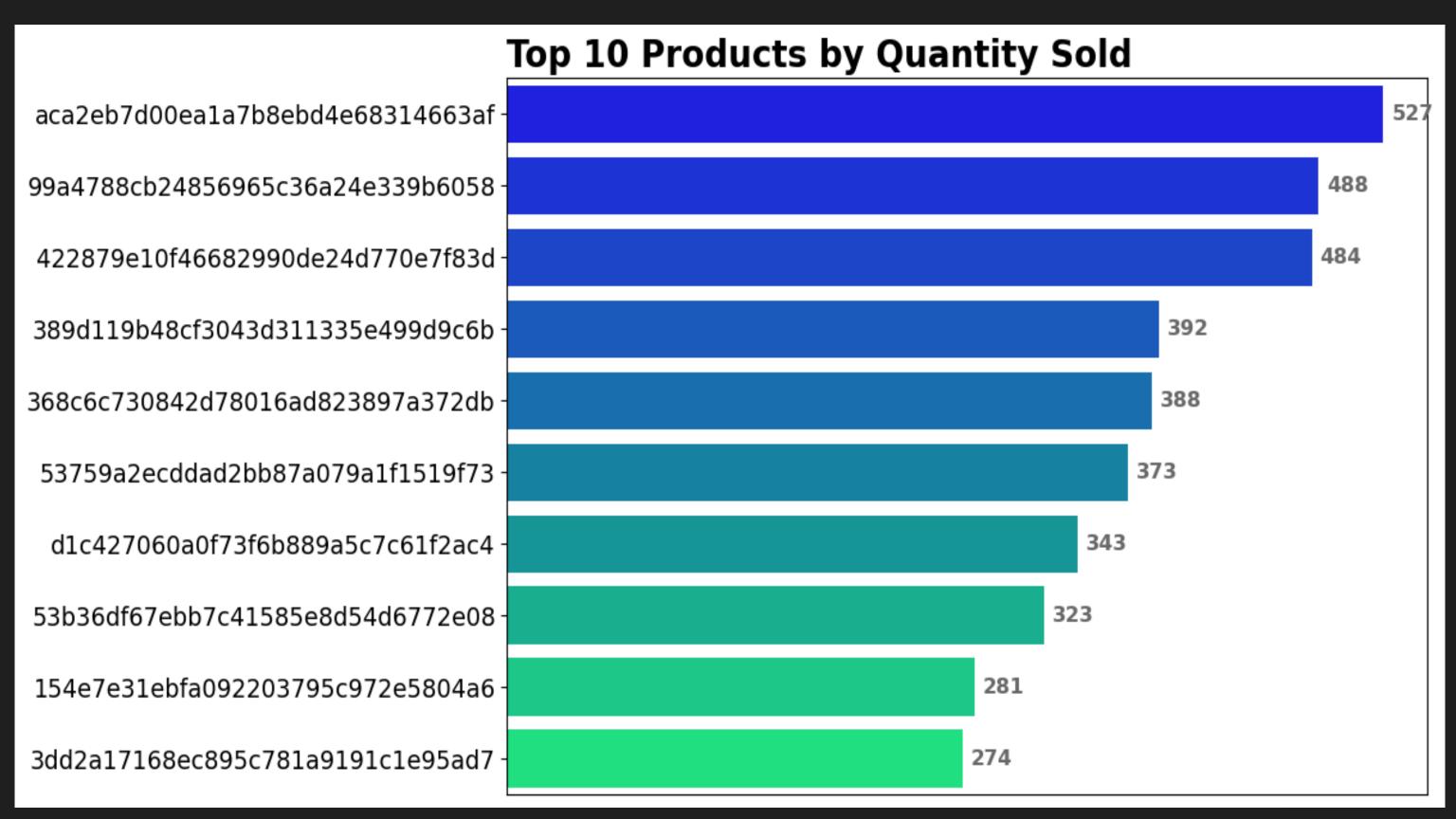
d1c427060a0f73f6b889a5c7c61f2ac4

53b36df67ebb7c41585e8d54d6772e08

154e7e31ebfa092203795c972e5804a6

3dd2a17168ec895c781a9191c1e95ad7

```
# Top 10 Products by Quantity Sold
•[27]:
       cmap = plt.get_cmap('winter')
       # Set up the figure
       plt.figure(figsize=(12, 6))
       # Create the bar plot with the gradient color palette
       barplot = sns.barplot(data=data, x='quantity_sold', y='product_id', palette=cmap(np.linspace(0, 1, len(data))))
       # Add data labels to each bar
       for index, value in enumerate(data['quantity_sold']):
           plt.text(value + 5, index, f'{value}', va='center', fontsize=12, color='dimgrey', fontweight='bold')
       # Add title and labels
       plt.title('Top 10 Products by Quantity Sold', loc='left', fontsize=20, fontweight='bold')
       # Hide y-axis ticks and label
       plt.xticks([])
       plt.xlabel('')
       plt.ylabel('')
       plt.yticks( fontsize=14)
       plt.tight_layout()
       plt.show()
```

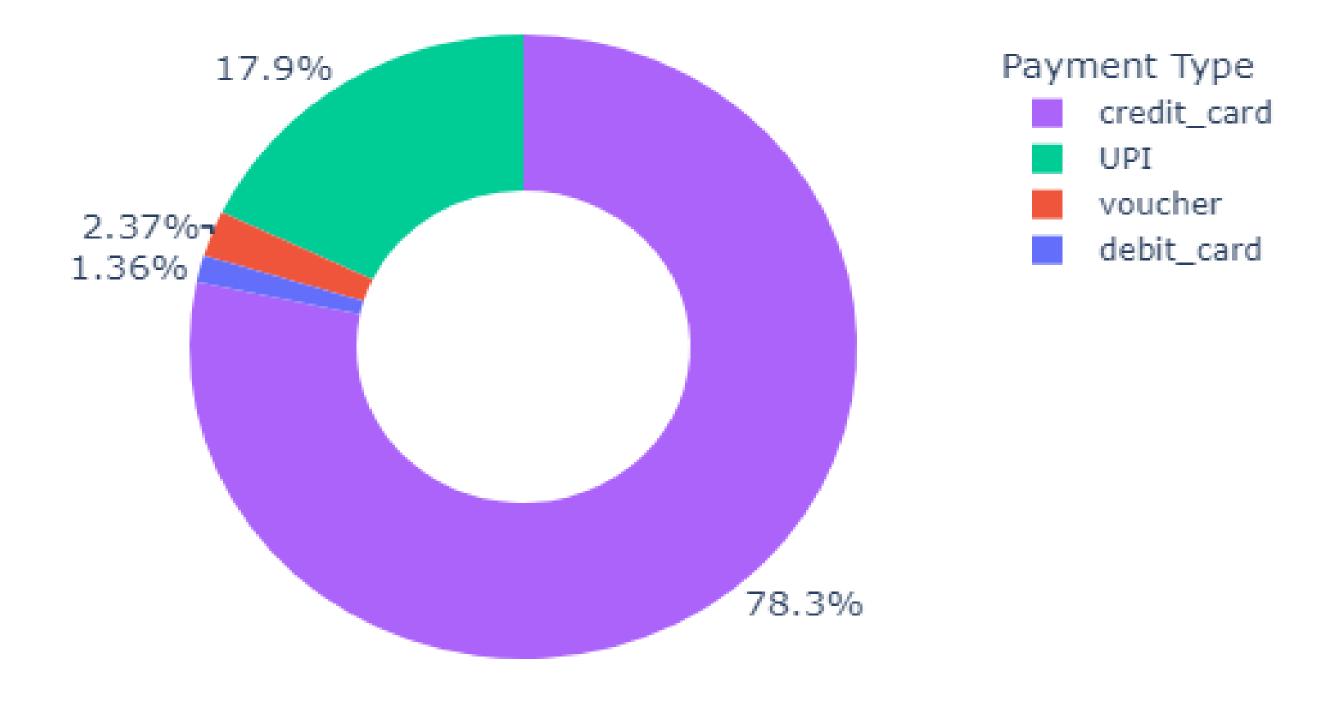


```
query='''
[28]:
       SELECT
                  p.payment_type,
                  SUM(p.payment_value) AS total_revenue
              FROM
                  payments p
              GROUP BY
                  p.payment_type;
      data=pd.read_sql(query, db)
      print(f'Revenue Contribution By Payment Type : \n\n{data}')
      Revenue Contribution By Payment Type :
        payment_type
                      total_revenue
      0 not_defined
                       0.000000e+00
          debit_card
                       2.179898e+05
             voucher
                       3.794369e+05
                 UPI
                       2.869361e+06
      4 credit_card
                       1.254208e+07
```

▣

```
data= data[data['total revenue']>0]
fig = px.pie( # Create the pie chart
    data,
    names='payment type',
    values='total revenue',
    title='Revenue Contribution by Payment Type',
    color='payment type', # Customize colors for different payment types
    hole=0.5, # Create a donut chart by adding a hole in the center
    labels={'total_revenue': 'Total Revenue'}, # Customize Labels
fig.update_traces(
    textinfo='percent', # Display label, percentage, and value
    textfont_size=14, # Font size for the text
    textposition='outside'
fig.update layout(
    title={ 'text': 'Revenue Contribution by Payment Type', 'x': 0.5, 'xanchor': 'center'}, # Center the title
    legend title='Payment Type', # Title for the legend
    legend=dict(
        orientation='v', # Horizontal orientation for the legend
        x=1, # Center the legend
        xanchor='left'
    margin=dict(t=50, b=50, l=50, r=50) # Adjust margins to make room for title and labels
fig.show()
```

Revenue Contribution by Payment Type





Conclusions and Next Steps

This report highlights key areas for improvement and growth opportunities. By focusing on high-revenue categories, optimizing order fulfillment, enhancing payment processes, improving customer retention, and supporting seller performance, the business can drive increased profitability and customer satisfaction.

Next Steps:

- Implement the recommended strategies and monitor their impact on business performance.
- Conduct follow-up analyses to track progress and adjust strategies as needed.