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Data Science and Business Analytics Intern

Task 3 : Exploratory Data Analysis - Retail

Objective : As a Business Manager, try to find out the weak areas where you can work to make more profit.

Perform EDA on Dataset : <https://bit.ly/3i4rbWl>

Report

Super Store Sales Analysis

General Analysis

Category

Technology

Region

All

State

All

Total Sales

836.15K

Total Quantity

7K

Total Profit

145.45K

Total Discount

244.40

Total Product

4

Total City

343

General Analysis

Sales Analysis

Product Analysis

Shipment Analysis

Sales Analysis

Sales

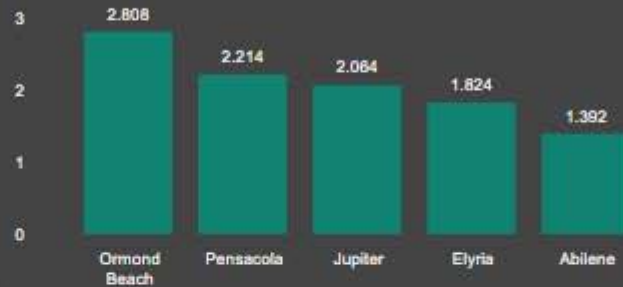
Profit

Quantity

Top 5 City by Sales



Bottom 5 City by Sales



Top 5 State by Sales



Bottom 5 State by Sales



General Analysis

Sales Analysis

Product Analysis

Shipment Analysis

Region

- ☐ Central
- ☐ East
- ☐ South
- ☐ West

Segment

- ☐ Consumer
- ☐ Corporate
- ☐ Home Office

Category

- ☐ Furniture
- ☐ Office Supplies
- ☐ Technology

Sub-Category

- ☐ Accessories
- ☐ Appliances
- ☐ Art
- ☐ Binders
- ☐ Bookcases
- ☐ Chairs
- ☐ Copiers

Sales Analysis

Sales

Profit

Quantity

Top 5 City by Quantity



Bottom 5 City by Quantity



Top 5 State by Quantity



Bottom 5 State by Quantity



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Sales Analysis

Sales

Profit

Quantity

Top 5 City by Profit



Bottom 5 City by Profit



Top 5 State by Profit



Bottom 5 State by Profit



General Analysis

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- ☐ Home Office

Category

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- ☐ Technology

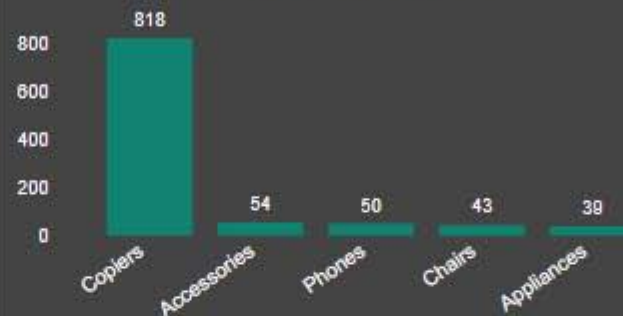
Sub-Category

- ☐ Accessories
- ☐ Appliances
- ☐ Art
- ☐ Binders
- ☐ Bookcases
- ☐ Chairs
- ☐ Copiers

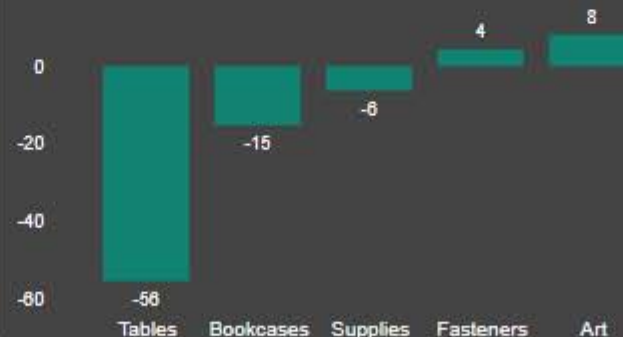
Product Analysis

Sub-Category	Average of Sales	Average of Profit	Sum of Quantity
Copiers	2,198.94	817.91	234
Accessories	215.97	54.11	2976
Phones	371.21	50.07	3289
Chairs	532.33	43.10	2356
Appliances	230.76	38.92	1729
Machines	1,645.55	29.43	440
Envelopes	64.87	27.42	906
Storage	264.59	25.15	3158
Paper	57.28	24.86	5178
Binders	133.56	19.84	5974
Labels	34.30	15.24	1400
Furnishings	95.83	13.65	3563
Art	34.07	8.20	3000
Fasteners	13.94	4.38	914
Supplies	245.65	-6.26	647
Bookcases	503.86	-15.23	868
Tables	648.79	-55.57	1241
Total	229.86	28.66	37873

Top 5 Product by Profit



Bottom 5 Product by Profit



Region

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Sub-Category

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General Analysis

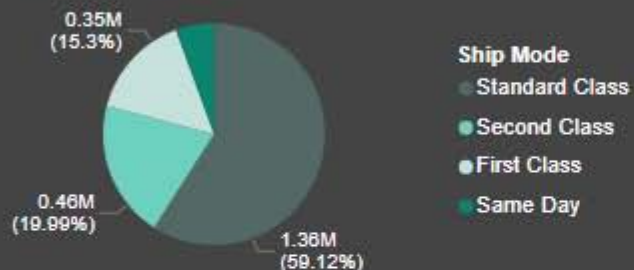
Sales Analysis

Product Analysis

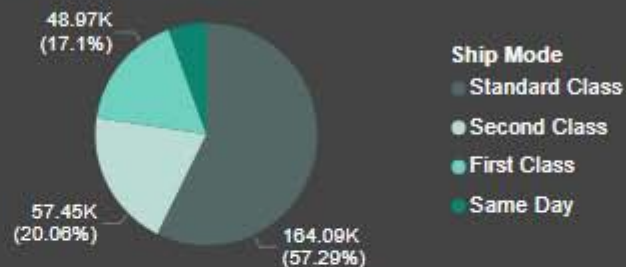
Shipment Analysis

Shipment Analysis

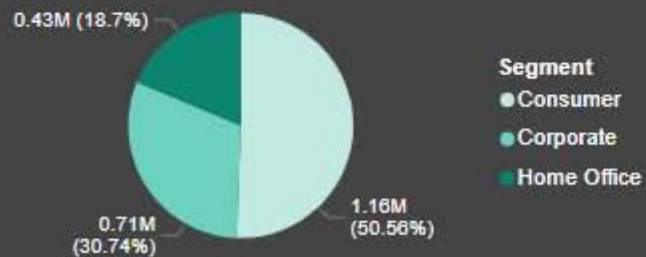
Total Sales by Ship Mode



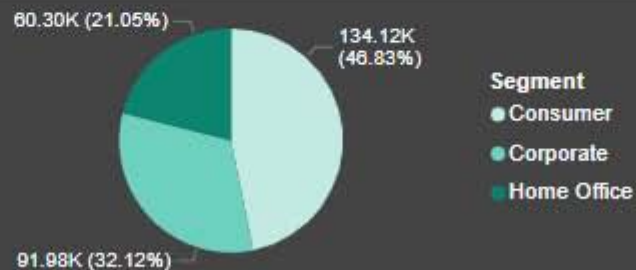
Total Profit by Ship Mode



Total Sales by Segment



Total Profit by Segment



General Analysis

Sales Analysis

Product Analysis

Shipment Analysis