



SM- STORES

SQL CASESTUDY

SM-Stores are a renowned retail company committed to providing high quality products. Their mission is to meet the diverse needs and preferences of customers through an extensive range of merchandise and outstanding customer service. SM-Stores has properties scattered across different cities in the United States. They require an understanding of their current status to better plan for future endeavors.

You have been contacted as a Data Scientist Consultant to provide an in-depth analysis of what is happening in SM-Stores and provide answers to the following questions.





DATA DICTIONARY

Orders Table;

OrderID: The unique identifier or ID of each order.

OrderDate: The date the order was placed.

PropertyID: The unique identifier or ID of each property.

ProductID: The unique identifier or ID of each product.

Quantity: The quantity of products ordered.

Products Table;

ProductID: The unique identifier or ID of each product.

ProductName: The name of the product.

ProductCategory: The category which each product belongs to.

Price: The unit-price of each product.

Property-Info Table;

PropID: The unique identifier or ID of each property.

PropertyCity: The name of the city where the property is located.

PropertyState: The name of the state where the property is located.



TAILORED DATA ANALYTICS

Using the data, answer the following questions

1. *How many records are in SM-Stores Orders table*
2. *How many Cities do SM-stores have properties in.*
4. *What are the product categories offered by SM's.*
5. *How many products belong to each category.*
6. *How many orders were placed in each date stated in the orders table.*
7. *Can you process the number of orders we had in each year of SM-stores data. In each month for the year 2016*
8. *Which category is the most frequented in the year 2015.*
9. *Which category has the highest sales in the year 2016.*
10. *Which State has the most properties ordered. Return the sales for each state. (sales >25000)*
11. *What is the cost of a 'Coffee Maker' located in Texas.*
12. *Which month in the year 2015 had the highest sales.*
- 13 *What are the product categories with a product id spanning 10 to 30.*

TAILORED DATA ANALYTICS

Using the data, answer the following questions

14. *How many products start with the letter 'D'.*
15. *What are the product categories having the letter 'e'*
16. *Return all orders where the quantity ordered is above 5.*
17. *Find all instances where the product 'Bed (King)' was ordered.*
18. *Find the name and category, property city and state of the product with a productid of 105*
19. *A customer has requested for a refund claiming they procured goods from our store. Provide all the details of this order if the OrderID is = '3896'*
20. *Find the name and category of products whose prices ranges from \$1 to \$50*
21. *Find the number of Permanent Markers, 'Sticky Notes' and 'Note Pads' ordered for the year 2015. Find all products in the year 2016, where the quantity ordered was greater than 50*
22. *SM-stores wants to re-evaluate the prices of their goods, provide a list of their products, categories and the corresponding prices. Group their products into cheap(<50), affordable(<100), expensive.*

