PROJECT: ANALYZING MOTORCYCLE PART SALES





You're working for a company that sells motorcycle parts, and they've asked for some help in analyzing their sales data!

They operate three warehouses in the area, selling both retail and wholesale. They offer a variety of parts and accept credit cards, cash, and bank transfer as payment methods. However, each payment type incurs a different fee.

The board of directors wants to gain a better understanding of wholesale revenue by product line, and how this varies month-to-month and across warehouses. You have been tasked with calculating net revenue for each product line and grouping results by month and warehouse. The results should be filtered so that only "Wholesale" orders are included.

They have provided you with access to their database, which contains the following table called sales:

Sales

Column	Data type	Description
order_number	VARCHAR	Unique order number.

Column	Data type		Description
date	DATE	Date of the	e order, from June to August 2021.
warehouse	VARCHAR	The wareho	nouse that the order was made from— North, Centra
client_type	VARCHAR	Whether th	he order was Retail or Wholesale.
product_line	VARCHAR	Type of pro	oduct ordered.
quantity	INT	Number of	f products ordered.
unit_price	FLOAT	Price per p	product (dollars).
total	FLOAT	Total price	of the order (dollars).
payment	VARCHAR	Payment m	method— Credit card, Transfer, or Cash.
payment_fee four query outpu	FLOAT		e of total charged as a result of the payment meth
	t silould be	prosented in	the following format:
product_line		warehouse	net_revenue
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product_one			
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product_line product_one product_one product_one product_one			
product_one product_one product_one			
product_one product_one product_one product_one			
product_one product_one product_one product_one product_one			

Rows: 48

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Projects Data
                    DataFrame as revenue_by_product_line
-- Start coding here
SELECT
    product_line,
    CASE
        WHEN EXTRACT('month' from date) = 6 THEN 'June'
        WHEN EXTRACT('month' from date) = 7 THEN 'July'
        WHEN EXTRACT('month' from date) = 8 THEN 'August'
    END as month,
    warehouse,
    (SUM(total) - SUM(payment_fee)) AS net_revenue
FROM sales
WHERE client_type = 'Wholesale'
GROUP BY product_line, month, warehouse
ORDER by product_line, month, net_revenue DESC
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Expand