



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.



Projects Data

DataFrame as

revenue_by_product_line

```
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, warehouse, month  
ORDER BY product_line, month, net_revenue DESC
```

| index | ... | ↑↓ | product_line | ... | ↑↓ | month |
|-------|-----|----|-------------------|-----|----|--------|
| | | 0 | Braking system | | | August |
| | | 1 | Braking system | | | August |
| | | 2 | Braking system | | | August |
| | | 3 | Braking system | | | July |
| | | 4 | Braking system | | | July |
| | | 5 | Braking system | | | July |
| | | 6 | Braking system | | | June |
| | | 7 | Braking system | | | June |
| | | 8 | Braking system | | | June |
| | | 9 | Electrical system | | | August |
| | | 10 | Electrical system | | | August |
| | | 11 | Electrical system | | | August |
| | | 12 | Electrical system | | | July |
| | | 13 | Electrical system | | | July |
| | | 14 | Electrical system | | | July |
| | | 15 | Electrical system | | | June |

Rows: 48

[↗ Expand Table](#)