

--Vendeurs ayant généré un chiffre d'affaires de plus de 100 000 Real sur des commandes livrées via Olist:

```
SELECT seller_id, SUM(price + freight_value) AS total_revenue
FROM order_items
JOIN orders ON order_items.order_id = orders.order_id
WHERE order_status = 'delivered'
GROUP BY seller_id
HAVING SUM(price + freight value) > 100000;
```

---Les 5 codes postaux enregistrant plus de 30 commandes avec le pire review score moyen sur les 12 derniers mois:

```
WITH recent_date AS (
    SELECT MAX(order_purchase_timestamp) AS max_purchase_date
    FROM orders
)
SELECT
    customers.customer_zip_code_prefix,
    COUNT(orders.order_id) AS total_orders,
    AVG(order_reviews.review_score) AS average_review_score
FROM
    customers
JOIN
    orders ON customers.customer_id = orders.customer_id
JOIN
    order_reviews ON orders.order_id = order_reviews.order_id
CROSS JOIN
    recent_date
WHERE
    orders.order_status = 'delivered'
    AND orders.order_purchase_timestamp >
date(recent_date.max_purchase_date, '-12 month')
GROUP BY
    customers.customer_zip_code_prefix
HAVING
    COUNT(orders.order_id) > 30
ORDER BY
    average_review_score ASC
LIMIT 5;
```

---Commandes récentes de moins de 3 mois avec au moins 3 jours de retard (en excluant les commandes annulées) :

```
WITH recent_delivery_date AS (
    SELECT MAX(order_delivered_customer_date, '-3 months') AS
max_delivery_date
    FROM orders
    WHERE order_status != 'canceled'
    AND order_delivered_customer_date IS NOT NULL
)
SELECT *
FROM orders o
WHERE order_status != 'canceled'
    AND order_delivered_customer_date IS NOT NULL
    AND EXISTS (
        SELECT 1
        FROM recent_delivery_date rd
        WHERE o.order_delivered_customer_date > rd.max_delivery_date
    )
```

```
    AND strftime('%s', order_delivered_customer_date) - strftime('%s',  
order_estimated_delivery_date) > 3 * 24 * 60 * 60;
```

--Nouveaux vendeurs (moins de 3 mois d'ancienneté) ayant déjà vendu plus  
de 30 produits:

```
WITH recent_sellers AS (  
    SELECT seller_id  
    FROM order_items oi  
    JOIN orders o ON oi.order_id = o.order_id  
    WHERE order_status = 'delivered'  
        AND o.order_purchase_timestamp > (  
            SELECT MAX(order_purchase_timestamp, '-3 months')  
            FROM orders  
        )  
    GROUP BY seller_id  
    HAVING COUNT(product_id) > 30  
)  
SELECT seller_id, COUNT(product_id) AS total_products_sold  
FROM order_items  
WHERE seller_id IN (SELECT seller_id FROM recent_sellers)  
GROUP BY seller_id;
```