

En excluant les commandes annulées, quelles sont les commandes récentes de moins de 3 mois que les clients ont reçues avec au moins 3 jours de retard ?

```
SELECT
*,
DATE_DIFF(order_delivered_customer_date, order_estimated_delivery_date, DAY) AS
day_dif_delivery

FROM `directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset`

WHERE order_purchase_timestamp >= TIMESTAMP_SUB((SELECT MAX(order_purchase_timestamp)
FROM `directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset`), INTERVAL
93 DAY)

AND order_status != 'canceled'

AND DATE_DIFF(order_delivered_customer_date, order_estimated_delivery_date, DAY) >= 3
```

Qui sont les vendeurs ayant généré un chiffre d'affaires de plus de 100 000 Real sur des commandes livrées via Olist ?

```
SELECT
i.seller_id,
ROUND(SUM(i.price),2) AS CA
FROM `directed-advice-441114-q3.OCR5_ecommerce_segmentation.order_items_dataset` i
JOIN `directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset` o
ON i.order_id = o.order_id
WHERE o.order_status = 'delivered'
GROUP BY i.seller_id
HAVING SUM(i.price) > 100000
ORDER BY CA DESC;
```

Qui sont les nouveaux vendeurs (moins de 3 mois d'ancienneté) qui sont déjà très engagés avec la plateforme (ayant déjà vendu plus de 30 produits) ?

```
SELECT
  oi.seller_id,
  MIN(o.order_purchase_timestamp) AS first_sale_date,
  COUNT(oi.product_id) AS nb_products_sold
FROM `directed-advice-441114-q3.OCR5_ecommerce_segmentation.order_items_dataset` AS oi
JOIN `directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset` AS o
  ON oi.order_id = o.order_id
GROUP BY oi.seller_id
HAVING
  DATE_DIFF(
    (SELECT MAX(order_purchase_timestamp) FROM
`directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset`),
    MIN(o.order_purchase_timestamp),
    DAY
  ) <= 93
AND COUNT(oi.product_id) > 30
ORDER BY nb_products_sold DESC;
```

Quels sont les 5 codes postaux, enregistrant plus de 30 reviews, avec le pire review score moyen sur les 12 derniers mois ?

```
WITH
  review_customer_order AS (
    SELECT
      o.customer_id,
      r.order_id,
      AVG(review_score) AS review_score,
      COUNT(review_score) AS nb_review,

    FROM
      `directed-advice-441114-q3.OCR5_ecommerce_segmentation.order_reviews_dataset` r
```

```

JOIN
  `directed-advice-441114-q3.OCR5_ecommerce_segmentation.orders_dataset` o
ON
  r.order_id = o.order_id
WHERE review_creation_date >= TIMESTAMP_SUB((SELECT MAX(review_creation_date) FROM
`directed-advice-441114-q3.OCR5_ecommerce_segmentation.order_reviews_dataset`),
INTERVAL 365 DAY)
GROUP BY
  o.customer_id,
  r.order_id
)

SELECT
customer_zip_code_prefix,
ROUND(AVG(review_score), 2) AS avg_review,
SUM(nb_review) AS sum_nb_review

FROM review_customer_order r
JOIN `directed-advice-441114-q3.OCR5_ecommerce_segmentation.customers_dataset` c
ON r.customer_id = c.customer_id

GROUP BY customer_zip_code_prefix

HAVING sum_nb_review >= 30

ORDER BY avg_review

LIMIT 5

```