**Case 3: Satıcı Analizi**

Question 1 : Siparişleri en hızlı şekilde müşterilere ulaştıran satıcılar kimlerdir? Top 5 getiriniz.

WITH order\_delivery\_date AS(

SELECT oi.seller\_id,

extract(day from order\_delivered\_customer\_date -order\_purchase\_timestamp) as order\_delivery\_time

FROM orders as o

LEFT JOIN order\_items as oi

ON o.order\_id=oi.order\_id

),

SELECT seller\_id,

avg (order\_delivery\_time) as avg\_delivery

FROM order\_delivery\_date

GROUP BY 1

ORDER BY 2

LIMIT 5

;

Bu satıcıların order sayıları ile ürünlerindeki yorumlar ve puanlamaları inceleyiniz ve yorumlayınız.

WITH top\_5\_sellers AS(

WITH order\_delivery\_date AS(

SELECT oi.seller\_id,

extract(day from order\_delivered\_customer\_date -order\_purchase\_timestamp) as order\_delivery\_time,

FROM orders as o

LEFT JOIN order\_items as oi

ON o.order\_id=oi.order\_id

)

SELECT seller\_id,

avg (order\_delivery\_time) as avg\_delivery

FROM order\_delivery\_date

GROUP BY 1

ORDER BY 2

LIMIT 5

)

SELECT t5.seller\_id,

COUNT ( DISTINCT oi.order\_id ) as order\_count,

AVG (r.review\_score) as avg\_score,

COUNT (DISTINCT review\_count\_message ) as total\_review\_message,

FROM top\_5\_sellers as t5

LEFT JOIN order\_items as oi

ON t5.seller\_id=oi.seller\_id

LEFT JOIN reviews as rr

ON r.order\_id=oi.order\_id

GROUP BY 1;

Question 2 : Hangi satıcılar daha fazla kategoriye ait ürün satışı yapmaktadır?

SELECT s.seller\_id,

COUNT (DISTINCT p.product\_category\_name) total\_category,

COUNT(DISTINCT p.product\_id) ct\_products

FROM sellers s

LEFT JOIN order\_items oi ON s.seller\_id =oi.seller\_id

LEFT JOIN products p ON p.product\_id = oi.product\_id

GROUP BY 1

ORDER BY 2 DESC

;

OUTPUT:

"b2ba3715d723d245138f291a6fe42594" 27 183

"4e922959ae960d389249c378d1c939f5" 23 136

"955fee9216a65b617aa5c0531780ce60" 23 104

"1da3aeb70d7989d1e6d9b0e887f97c23" 21 155

"f8db351d8c4c4c22c6835c19a46f01b0" 19 146

"18a349e75d307f4b4cc646a691ed4216" 17 42

ANOTHER CODE:

WITH category AS(

SELECT s.seller\_id,

COUNT (DISTINCT p.product\_category\_name) total\_category,

COUNT(DISTINCT o.order\_id ) order\_count

FROM order\_items as oi

LEFT JOIN products p ON p.product\_id = oi.product\_id

GROUP BY 1

ORDER BY 2 DESC

;