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SELECT
CUST_CODE AS Customer_ID,
MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))) AS Start_Visit,
MAX(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))) AS Current_Visit,
ROUND(AVG(SPEND),3) AS Avg_Spend,
MIN(SPEND) AS Min_Spend,
MAX(SPEND) AS Max_Spend,
ROUND(SUM(SPEND)/COUNT(DISTINCT BASKET_ID),3) AS Ticket_Size,
ROUND(count(distinct BASKET_ID),3) AS Total_Visit,
ROUND(SUM( SPEND),3) AS Total_Sale ,
COUNT(distinct PROD_CODE) AS Total_Product_Purchase ,
DATE_DIFF(MAX(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),
MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),day) AS AOU_Day,
DATE_DIFF(MAX(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),
MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))), month) AS AOU_Month,
(CASE when avg(SHOP_WEEK) <= 2 and avg(SHOP_WEEK) > 6 then "weekday" else "weekend" end)
AS Avg_Shop_Weekday,
COUNT(distinct shop_date) AS Active_Day,
ROUND(COUNT(distinct shop_date) / DATE_DIFF(MAX(PARSE_DATE('%Y%m%d',
CAST((SHOP_DATE) AS STRING))), MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS
STRING))),day),3) AS Active_Day_Rate ,
COUNT(distinct(round(SHOP_DATE/100))) AS Active_Month,
ROUND(count(distinct(round(SHOP_DATE/100))) / DATE_DIFF(MAX(PARSE_DATE('%Y%m%d',
CAST((SHOP_DATE) AS STRING))), MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS
STRING))),month),3) AS Active_Month_Rate,
ROUND(SUM(spend) / count(distinct(round(SHOP_DATE/100))),3) AS Monthly_Spend,
ROUND(sum(spend)/count(distinct(round(SHOP_DATE/100))),3) AS ARPU_Month,
ROUND(count(distinct shop_date)/count(distinct(round(SHOP_DATE/100))),1) AS ActiveDay_Per_Month,
ROUND(count(distinct BASKET_ID)/count(distinct(round(SHOP_DATE/100))),2) AS Avgvisit_Per_Month,

FROM `nida-workshop.SUPERMARKET.TRANSACTIONS_2STORES`
WHERE cust_code is not null
GROUP BY cust_code
HAVING (DATE_DIFF(MAX(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),
MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),day)) != 0 and
DATE_DIFF(MAX(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),
MIN(PARSE_DATE('%Y%m%d', CAST((SHOP_DATE) AS STRING))),month) != 0

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