WITH

-- Step 1: Mobile Uncovered Base

mobile\_uncovered\_base AS (

SELECT \*

FROM `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base`

WHERE snapshot\_date = DATE '2024-10-01'

AND household\_segment LIKE '%Unconverged%'

AND service = 'Mobile'

ORDER BY acx\_household\_key

),

-- Step 2: Converged Base

converged\_base AS (

SELECT

mobile\_uncovered\_base.\*,

CASE

WHEN converged\_base.single\_id IS NULL THEN 0

ELSE 1

END AS converged\_flag

FROM mobile\_uncovered\_base

LEFT JOIN `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base` converged\_base

ON mobile\_uncovered\_base.single\_id = converged\_base.single\_id

AND converged\_base.snapshot\_date = DATE '2024-10-08'

AND converged\_base.household\_segment LIKE '%Converged%'

AND converged\_base.service = 'Broadband'

),

-- Step 3: Combine with Traceability

combined\_data AS (

SELECT

cb.\*,

traceability.request\_interaction\_id,

traceability.request\_session\_id,

traceability.request\_channel,

traceability.state\_model\_selection,

traceability.state\_model\_selection\_version,

traceability.model\_selection\_rewards,

traceability.experiments\_by\_section,

traceability.state\_model\_selections,

traceability.experiment\_id,

traceability.model\_selection\_result\_weight,

traceability.price\_offered,

traceability.pricing\_strategy,

traceability.year,

traceability.month,

traceability.day

FROM converged\_base cb

FULL JOIN `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.avw\_cons\_dp\_144\_bq\_ee\_nba\_traceability\_logs` AS traceability

ON cb.account\_num = traceability.account\_id

AND cb.acx\_household\_key = traceability.household\_key

AND cb.snapshot\_date = DATE(traceability.year, traceability.month, traceability.day)

)

-- Final Step: Select Data with Specific Conditions

SELECT \*

FROM combined\_data

WHERE converged\_flag = 1;

WITH

-- Step 1: Mobile Uncovered Base

mobile\_uncovered\_base AS (

SELECT \*

FROM `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base`

WHERE snapshot\_date = DATE '2024-10-01'

AND household\_segment LIKE '%Unconverged%'

AND service = 'Mobile'

ORDER BY acx\_household\_key

),

-- Step 2: Converged Base

converged\_base AS (

SELECT

mobile\_uncovered\_base.\*,

CASE

WHEN converged\_base.single\_id IS NULL THEN 0

ELSE 1

END AS converged\_flag

FROM mobile\_uncovered\_base

LEFT JOIN `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base` converged\_base

ON mobile\_uncovered\_base.single\_id = converged\_base.single\_id

AND converged\_base.snapshot\_date = DATE '2024-10-08'

AND converged\_base.household\_segment LIKE '%Converged%'

AND converged\_base.service = 'Broadband'

),

-- Step 3: DP026 Relevant Data Extraction

dp026\_relevant AS (

SELECT

dp026.service\_id AS dp026\_service\_id,

dp026.subscriber\_number AS dp026\_subscriber\_number,

dp026.account\_number AS dp026\_account\_number,

dp026.request\_interaction\_id AS dp026\_request\_interaction\_id

FROM `bt-bvp-dataprod-dp-prod.dp026\_nba\_interactions` dp026

WHERE dp026.service\_id = converged\_base.service\_id

OR dp026.subscriber\_number = converged\_base.single\_id

OR dp026.account\_number = converged\_base.account\_num

OR dp026.request\_interaction\_id = converged\_base.request\_interaction\_id

),

-- Step 4: Combine Converged Base with Relevant DP026 Data

combined\_data AS (

SELECT

cb.\*,

dp.\*

FROM converged\_base cb

LEFT JOIN dp026\_relevant dp

ON cb.service\_id = dp.dp026\_service\_id

OR cb.single\_id = dp.dp026\_subscriber\_number

OR cb.account\_num = dp.dp026\_account\_number

OR cb.request\_interaction\_id = dp.dp026\_request\_interaction\_id

)

-- Final Step: Select Relevant Data

SELECT \*

FROM combined\_data

WHERE converged\_flag = 1;

WITH

-- Step 1: Mobile Uncovered Base

mobile\_uncovered\_base AS (

SELECT \*

FROM `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base`

WHERE snapshot\_date = DATE '2024-10-01'

AND household\_segment LIKE '%Unconverged%'

AND service = 'Mobile'

ORDER BY acx\_household\_key

),

-- Step 2: Converged Base

converged\_base AS (

SELECT

mobile\_uncovered\_base.\*,

CASE

WHEN converged\_base.single\_id IS NULL THEN 0

ELSE 1

END AS converged\_flag

FROM mobile\_uncovered\_base

LEFT JOIN `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.vw\_hhv\_ibro\_subscription\_base` converged\_base

ON mobile\_uncovered\_base.single\_id = converged\_base.single\_id

AND converged\_base.snapshot\_date = DATE '2024-10-08'

AND converged\_base.household\_segment LIKE '%Converged%'

AND converged\_base.service = 'Broadband'

),

-- Step 3: Traceability Table

traceability\_relevant AS (

SELECT

account\_id,

request\_interaction\_id,

experiment\_limb\_id

FROM `bt-bvp-dataprod-dp-prod.cons\_bvp\_dp\_hhvm\_ro.avw\_cons\_dp\_144\_bq\_ee\_nba\_traceability\_logs`

WHERE DATE(year, month, day) = DATE '2024-10-08' -- Adjust as per your requirement

),

-- Step 4: DP026 Relevant Data Extraction

dp026\_relevant AS (

SELECT

dp026.service\_id AS dp026\_service\_id,

dp026.subscriber\_number AS dp026\_subscriber\_number,

dp026.account\_number AS dp026\_account\_number,

dp026.request\_interaction\_id AS dp026\_request\_interaction\_id

FROM `bt-bvp-dataprod-dp-prod.dp026\_nba\_interactions` dp026

WHERE dp026.service\_id IN (

SELECT DISTINCT cb.service\_id

FROM converged\_base cb

)

OR dp026.subscriber\_number IN (

SELECT DISTINCT cb.single\_id

FROM converged\_base cb

)

OR dp026.account\_number IN (

SELECT DISTINCT cb.account\_num

FROM converged\_base cb

)

OR dp026.request\_interaction\_id IN (

SELECT DISTINCT tr.request\_interaction\_id

FROM traceability\_relevant tr

)

),

-- Step 5: Combine Converged Base, Traceability, and DP026

combined\_data AS (

SELECT

cb.\*,

tr.request\_interaction\_id AS traceability\_request\_interaction\_id,

dp.\*

FROM converged\_base cb

LEFT JOIN traceability\_relevant tr

ON cb.account\_num = tr.account\_id

LEFT JOIN dp026\_relevant dp

ON cb.service\_id = dp.dp026\_service\_id

OR cb.single\_id = dp.dp026\_subscriber\_number

OR cb.account\_num = dp.dp026\_account\_number

OR tr.request\_interaction\_id = dp.dp026\_request\_interaction\_id

)

-- Final Step: Select Relevant Data

SELECT \*

FROM combined\_data

WHERE converged\_flag = 1;