-- create table `tokopedia-970.zoom.ct\_user\_performance\_page\_discovery` partition by partition\_column cluster by tribe\_name, metric\_name, metric\_dimension\_name, device\_name as

WITH date\_dict as

(select

DATE('{{ tomorrow\_ds }}' /\*backfill\_start\_date\*/) as start\_dt,

DATE('{{ tomorrow\_ds }}' /\*backfill\_end\_date\*/) as end\_dt

-- DATE\_SUB(current\_date,INTERVAL 1 day) AS start\_date,

-- DATE\_SUB(current\_date,INTERVAL 1 day) AS end\_date

),

/\* session, page view, and click - discovery page \*/

core\_session\_disco as (

select distinct

date\_key,

visitor\_id,

visit\_id,

concat(visitor\_id,'\_',cast(visit\_id as string)) as session\_id,

source\_property as device\_name,

user\_id,

hit\_time,

case

when REGEXP\_CONTAINS(page\_path, r'^(\/)?(?i)discovery\/(.\*)') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'([^\/]+$)'), r'-', r' ')),'')

else ''

end as sub\_discovery\_page

from

`tokopedia-970.voyager\_dwh.bi\_fact\_page\_details`

left join

unnest(page) as page

where

date\_key between (select start\_dt from date\_dict) and (select end\_dt from date\_dict)

and source\_property in ('android','ios')

and regexp\_contains(page\_path, r'^(?i)(\/)?discovery\/(.\*)')

UNION ALL

select distinct

date\_key,

visitor\_id,

visit\_id,

concat(visitor\_id,'\_',cast(visit\_id as string)) as session\_id,

source\_property as device\_name,

user\_id,

hit\_time,

case

when REGEXP\_CONTAINS(page\_path, r'^(\/)?(?i)discovery\/(.\*)\?') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'([\w\d\-]+)\?'), r'-', r' ')),'')

when REGEXP\_CONTAINS(page\_path, r'^(\/)?(?i)discovery\/(.\*)\/') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'discovery\/(.\*)\/'), r'-', r' ')),'')

when REGEXP\_CONTAINS(page\_path, r'^(\/)?(?i)discovery\/(.\*)') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'([^\/]+$)'), r'-', r' ')),'')

else ''

end sub\_discovery\_page

from

`tokopedia-970.voyager\_dwh.bi\_fact\_page\_details`

left join

unnest(page) as page

where

date\_key between (select start\_dt from date\_dict) and (select end\_dt from date\_dict)

and source\_property in ('mobile')

and regexp\_contains(page\_path, r'^(?i)(\/)?discovery\/(.\*)')

UNION ALL

select distinct

date\_key,

visitor\_id,

visit\_id,

concat(visitor\_id,'\_',cast(visit\_id as string)) as session\_id,

source\_property as device\_name,

user\_id,

hit\_time,

case

when REGEXP\_CONTAINS(page\_path, r'(?i)tokopedia\.com\/discovery\/(.\*)\?') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'([\w\d\-]+)\?'), r'-', r' ')),'')

when REGEXP\_CONTAINS(page\_path, r'(?i)tokopedia\.com\/discovery\/(.\*)\/') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'discovery\/(.\*)\/'), r'-', r' ')),'')

when REGEXP\_CONTAINS(page\_path, r'(?i)tokopedia\.com\/discovery\/(.\*)') then coalesce(lower(REGEXP\_REPLACE(REGEXP\_EXTRACT(page\_path, r'([^\/]+$)'), r'-', r' ')),'')

else ''

end sub\_discovery\_page

from

`tokopedia-970.voyager\_dwh.bi\_fact\_page\_details`

left join

unnest(page) as page

where

date\_key between (select start\_dt from date\_dict) and (select end\_dt from date\_dict)

and source\_property in ('desktop')

and regexp\_contains(page\_path, r'(?i)tokopedia\.com\/discovery\/(.\*)')

),

core\_click\_disco as (

select distinct

date\_key,

device\_name,

sub\_discovery\_page\_name as sub\_discovery\_page,

visitor\_id,

visit\_id,

session\_id,

user\_id,

category\_name,

action\_name,

label\_name,

hits\_timestamp as hits\_time

from

`tokopedia-970.zoom.ft\_click\_home\_platform`

join (

select distinct

session\_id,

user\_id

from

core\_session\_disco

) session

using(session\_id)

where

date\_key between (select start\_dt from date\_dict) and (select end\_dt from date\_dict)

and (

(regexp\_contains(category\_name, r'(^(?i)top nav)|(^(?i)bottom nav)')

and regexp\_contains(page\_source\_name, r'(^(\/)?discovery(.\*))')

and regexp\_contains(action\_name, r'^(?i)click(.\*)nav')

)

or

(regexp\_contains(category\_name, r'(^(?i)discovery)')

and regexp\_contains(action\_name, r'(?i)click')

and not regexp\_contains(action\_name, r'(?i)click back button')

)

or

(regexp\_contains(category\_name, r'(^(?i)widget choose address$)')

and regexp\_contains(action\_name, r'^(?i)click widget choose address discovery page$')

))

),

core\_session\_final as (

select

date\_key,

device\_name,

user\_id,

sub\_discovery\_page as sub\_discovery\_page\_name,

count(distinct concat(session\_id,'\_',hit\_time)) as total\_page\_view,

count(distinct session\_id) as session\_page,

count(distinct visitor\_id) as visitor\_page

from

core\_session\_disco

group by

1,2,3,4

),

core\_click\_final as (

select

date\_key,

device\_name,

user\_id,

sub\_discovery\_page sub\_discovery\_page\_name,

count(distinct concat(session\_id, '\_', hits\_time, '\_', category\_name, '\_', action\_name, '\_', coalesce(label\_name,''))) total\_click,

count(distinct session\_id) session\_click,

count(distinct visitor\_id) visitor\_click

from

core\_click\_disco

group by

1,2,3,4

),

core\_page\_final as (

select distinct

date\_key,

device\_name,

user\_id,

sub\_discovery\_page\_name,

session\_page,

total\_page\_view,

visitor\_page,

session\_click,

total\_click,

visitor\_click,

from

core\_session\_final

left join

core\_click\_final

using(user\_id,sub\_discovery\_page\_name,date\_key,device\_name)

where

user\_id is not null

),

order\_verified\_attribution as (

select distinct

date\_key,

device\_name,

user\_id,

session\_id,

hits\_timestamp,

attr\_type\_name,

sub\_discovery\_page\_name,

component\_type\_name,

campaign\_code,

order\_id,

subtotal\_price,

quantity

from

`tokopedia-970.zoom.ft\_disco\_page\_order\_verified`

where

partition\_column between (select start\_dt from date\_dict) and (select end\_dt from date\_dict)

and attr\_type\_name in ('first attribution','SWAT Direct','SWAT Indirect')

),

order\_verified\_agg as (

select

date\_key,

device\_name,

user\_id,

'page lvl' level,

sub\_discovery\_page\_name,

count(distinct case when attr\_type\_name in ('first attribution') then order\_id end) as order\_first\_count,

sum(case when attr\_type\_name in ('first attribution') then subtotal\_price end) as tiv\_first\_amount,

sum(case when attr\_type\_name in ('first attribution') then quantity end) as quantity\_first\_count,

count(distinct case when attr\_type\_name in ('first attribution') then session\_id end) as session\_order\_first\_count,

count(distinct case when attr\_type\_name in ('first attribution','SWAT Direct','SWAT Indirect') then order\_id end) as order\_first\_swat\_overall\_count,

sum(case when attr\_type\_name in ('first attribution','SWAT Direct','SWAT Indirect') then subtotal\_price end) as tiv\_first\_swat\_overall\_amount,

sum(case when attr\_type\_name in ('first attribution','SWAT Direct','SWAT Indirect') then quantity end) as quantity\_first\_swat\_overall\_count,

count(distinct case when attr\_type\_name in ('first attribution','SWAT Direct','SWAT Indirect') then session\_id end) as session\_order\_first\_swat\_overall\_count,

from

order\_verified\_attribution

group by

1,2,3,4,5

),

rpt\_disco\_page as (

select

date\_key,

device\_name,

user\_id,

sub\_discovery\_page\_name,

coalesce(round(session\_page,0),0) as session\_count,

coalesce(round(total\_page\_view,0),0) as page\_view\_count,

coalesce(round(session\_click,0),0) as session\_click\_count,

coalesce(round(total\_click,0),0) as click\_count,

coalesce(round(order\_first\_count,0),0) as order\_first\_count,

coalesce(round(order\_first\_swat\_overall\_count,0),0) as order\_first\_swat\_overall\_count,

coalesce(round(tiv\_first\_amount,0),0) as tiv\_first\_amount,

coalesce(round(tiv\_first\_swat\_overall\_amount,0),0) as tiv\_first\_swat\_overall\_amount,

coalesce(round(quantity\_first\_count,0),0) as quantity\_first\_count,

coalesce(round(quantity\_first\_swat\_overall\_count,0),0) as quantity\_first\_swat\_overall\_count,

coalesce(round(session\_order\_first\_count,0),0) as session\_order\_first\_count,

coalesce(round(session\_order\_first\_swat\_overall\_count,0),0) as session\_order\_first\_swat\_overall\_count,

from

core\_page\_final

left join

order\_verified\_agg

using(user\_id,sub\_discovery\_page\_name,date\_key,device\_name)

where user\_id > 0

),

raw as (

select distinct

date\_key,

device\_name,

user\_id,

'sub discovery page' as metric\_dimension\_name,

sub\_discovery\_page\_name as metric\_dimension\_value,

metric\_name,

metric\_values

from

rpt\_disco\_page

unpivot (

metric\_values for metric\_name in (

order\_first\_count,

tiv\_first\_amount,

quantity\_first\_count,

session\_order\_first\_count,

order\_first\_swat\_overall\_count,

tiv\_first\_swat\_overall\_amount,

quantity\_first\_swat\_overall\_count,

session\_order\_first\_swat\_overall\_count,

session\_count,

page\_view\_count,

session\_click\_count,

click\_count

)

)

)

SELECT

date\_key,

user\_id,

device\_name,

'Discovery' as tribe\_name,

metric\_dimension\_name,

metric\_dimension\_value,

metric\_name,

metric\_values as metric\_amount,

date\_key as partition\_column,

timestamp\_add(current\_timestamp(), interval 7 hour) as processed\_dttm,

FROM

raw

WHERE

metric\_values > 0

and metric\_dimension\_value is not null