

WITH

downloads AS (

SELECT 'downloaded' AS funnel,

COUNT(app_download_key) AS users, ad.platform, **COALESCE**(su.age_range)

AS age_group, **CAST**(download_ts AS TIME) AS download_time,

CAST(download_ts AS DATE) AS download_date

FROM app_downloads AS ad **RIGHT JOIN** signups AS su

ON ad.app_download_key = su.session_id

GROUP BY ad.platform, su.age_range, download_date, download_time),

sign_ups AS (

SELECT 'signed up' AS funnel,

COUNT(user_id) AS users, ad.platform, **COALESCE**(su.age_range) AS

age_group, **CAST**(download_ts AS TIME) AS download_time,

CAST(download_ts AS DATE) AS download_date

FROM signups AS su

INNER JOIN app_downloads AS ad

ON su.session_id = ad.app_download_key

GROUP BY ad.platform, su.age_range, download_date, download_time),

ride_requested AS (

SELECT 'ride requested' AS funnel,

COUNT(**DISTINCT** rr.user_id) AS users, ad.platform, **COALESCE**(su.age_range)

AS age_group, **CAST**(download_ts AS TIME) AS download_time,

CAST(download_ts AS DATE) AS download_date

FROM ride_requests AS rr

INNER JOIN signups AS su

ON rr.user_id = su.user_id

INNER JOIN app_downloads AS ad

ON su.session_id = ad.app_download_key

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GROUP BY ad.platform, su.age_range, download_date, download_time),

ride_accepted AS (
SELECT 'ride accepted' AS funnel,

COUNT(DISTINCT rr.user_id) AS users, ad.platform, COALESCE(su.age_range)
AS age_group, CAST(download_ts AS TIME) AS download_time,
CAST(download_ts AS DATE) AS download_date

FROM ride_requests AS rr
INNER JOIN signups AS su
ON su.user_id = rr.user_id
INNER JOIN app_downloads AS ad
ON su.session_id = ad.app_download_key

WHERE accept_ts IS NOT NULL
GROUP BY ad.platform, su.age_range, download_date, download_time ),

ride_completed AS (
SELECT 'ride completed' AS funnel,

COUNT(DISTINCT rr.user_id) AS users, ad.platform, COALESCE(su.age_range,
'Not specified') AS age_group, CAST(download_ts AS TIME) AS download_time,
CAST(download_ts AS DATE) AS download_date

FROM ride_requests AS rr
INNER JOIN signups AS su
ON rr.user_id = su.user_id
INNER JOIN app_downloads AS ad
ON su.session_id = ad.app_download_key INNER JOIN transactions AS ts
ON rr.ride_id = ts.ride_id
WHERE accept_ts IS NOT NULL
GROUP BY ad.platform, su.age_range, download_date, download_time),

ride_paid AS (
SELECT 'ride paid' AS funnel,

COUNT(DISTINCT rr.user_id) AS users, ad.platform, COALESCE(su.age_range)
AS age_group, CAST(download_ts AS TIME) AS download_time,
CAST(ad.download_ts AS DATE) AS download_date

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FROM ride_requests AS rr
INNER JOIN signups AS su
ON rr.user_id = su.user_id
INNER JOIN app_downloads AS ad
ON su.session_id = ad.app_download_key INNER JOIN transactions AS ts

ON rr.ride_id = ts.ride_id
WHERE accept_ts IS NOT NULL AND ts.charge_status = 'Approved' GROUP
BY ad.platform, su.age_range, download_date, download_time),

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ride_reviewed AS (
SELECT 'ride reviewed' AS funnel,

COUNT(DISTINCT rv.user_id) AS users, ad.platform,
COALESCE(su.age_range) AS age_group, CAST(download_ts AS TIME) AS
download_time, CAST(download_ts AS DATE) AS download_date

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FROM ride_requests AS rr INNER JOIN signups AS su

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ON rr.user_id = su.user_id
INNER JOIN app_downloads AS ad
ON su.session_id = ad.app_download_key INNER JOIN transactions AS ts
ON rr.ride_id = ts.ride_id
INNER JOIN reviews AS rv
ON ts.ride_id = rv.ride_id

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WHERE accept_ts IS NOT NULL AND ts.charge_status = 'Approved' GROUP
BY ad.platform, su.age_range, download_date, download_time)

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SELECT *
FROM downloads UNION ALL SELECT *
FROM sign_ups UNION ALL SELECT *
FROM ride_requested UNION ALL SELECT *
FROM ride_accepted UNION ALL

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SELECT *
FROM ride_completed UNION ALL SELECT *
FROM ride_paid UNION ALL SELECT *
FROM ride_reviewed

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