



joining_tables



OPEN IN ▾



✓ This query will process 250.82 MB when run.



```
1 CREATE OR REPLACE TABLE `ba882-team8-fall24.mbtadatast.joined_prediction` AS
2 SELECT
3     p.prediction_id,
4     s.schedule_id,
5     p.arrival_time AS arrival_time_p,
6     s.arrival_time AS arrival_time_s,
7     p.arrival_uncertainty,
8     p.departure_time AS departure_time_p,
9     s.departure_time AS departure_time_s,
10    p.departure_uncertainty,
11    p.direction_id AS direction_id_p,
12    s.direction_id AS direction_id_s,
13    p.last_trip,
14    p.revenue,
15    p.schedule_relationship,
16    p.status,
17    p.stop_sequence AS stop_sequence_p,
18    s.stop_sequence AS stop_sequence_s,
19    p.update_type,
20    p.route_id AS route_id_p,
21    s.route_id AS route_id_s,
22    p.stop_id AS stop_id_p,
23    s.stop_id AS stop_id_s,
24    p.trip_id,
25    p.vehicle_id,
26    s.drop_off_type,
27    s.pickup_type,
28    s.stop_headsign,
29    s.timepoint,
30    CAST(NULL AS INT64) AS delay,
31    CAST(NULL AS STRING) AS day,
32    CAST(NULL AS STRING) AS time_of_the_day
33
34 FROM
35     `ba882-team8-fall24.mbtadatast.schedules` AS s
36 INNER JOIN
37     `ba882-team8-fall24.mbtadatast.predictions` AS p
38 ON
39     s.trip_id = p.trip_id
40     AND s.route_id = p.route_id
41     AND s.stop_id = p.stop_id
42     AND EXTRACT(DATE FROM p.arrival_time) = EXTRACT(DATE FROM s.arrival_time)
43 WHERE
44     s.arrival_time IS NOT NULL
45     AND p.arrival_time IS NOT NULL
46     AND s.departure_time IS NOT NULL
47     AND p.departure_time IS NOT NULL;
```



update_time_and_add_delay



RUN



SAVE QUERY



DOWNLOAD



SHARE



SCHEDULE



OPEN IN



MORE



This query will process 18.84 MB when run.



```
1 UPDATE `ba882-team8-fall24.mbtadatast.joined_prediction`
2 SET
3     arrival_time_p = TIMESTAMP_SUB(arrival_time_p, INTERVAL 4 HOUR),
4     arrival_time_s = TIMESTAMP_SUB(arrival_time_s, INTERVAL 4 HOUR),
5     departure_time_p = TIMESTAMP_SUB(departure_time_p, INTERVAL 4 HOUR),
6     departure_time_s = TIMESTAMP_SUB(departure_time_s, INTERVAL 4 HOUR),
7     delay = TIMESTAMP_DIFF(arrival_time_p, arrival_time_s, MINUTE),
8     day = CASE
9         WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 1 THEN 'Sunday'
10        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 2 THEN 'Monday'
11        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 3 THEN 'Tuesday'
12        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 4 THEN 'Wednesday'
13        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 5 THEN 'Thursday'
14        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 6 THEN 'Friday'
15        WHEN EXTRACT(DAYOFWEEK FROM arrival_time_p) = 7 THEN 'Saturday'
16    END,
17    time_of_the_day = CASE
18        WHEN EXTRACT(HOUR FROM arrival_time_p) BETWEEN 6 AND 10 THEN 'Morning'
19        WHEN EXTRACT(HOUR FROM arrival_time_p) BETWEEN 11 AND 17 THEN 'Afternoon'
20        WHEN EXTRACT(HOUR FROM arrival_time_p) BETWEEN 17 AND 20 THEN 'Evening'
21        WHEN EXTRACT(HOUR FROM arrival_time_p) BETWEEN 20 AND 23 THEN 'Night'
22        WHEN EXTRACT(HOUR FROM arrival_time_p) BETWEEN 0 AND 5 THEN 'Night'
23    END
24 WHERE TRUE;
```