

## user primary

### Read the data from the output of the Eligible Users Task

```
eligible_users: org.apache.spark.sql.DataFrame = [first_name: string, last_name: string ... 18 more fields]
root
 |-- first_name: string (nullable = true)
 |-- last_name: string (nullable = true)
 |-- email_address: string (nullable = true)
 |-- user_uuid: string (nullable = true)
 |-- public_uuid: string (nullable = true)
 |-- brandid: integer (nullable = true)
 |-- subscribed: boolean (nullable = true)
 |-- min_subscribe_date: date (nullable = true)
 |-- eapid: long (nullable = true)
 |-- tpid: integer (nullable = true)
 |-- locale: string (nullable = true)
 |-- moniker_site: string (nullable = true)
 |-- country_name: string (nullable = true)
 |-- langid: long (nullable = true)
 |-- email_hash: string (nullable = true)
 |-- activity_tune: string (nullable = true)
```

```
marketing_activity: org.apache.spark.sql.DataFrame = [category_code: int, email_hash: string ... 3 more fields]
root
 |-- category_code: integer (nullable = true)
 |-- email_hash: string (nullable = true)
 |-- last_marketing_open: timestamp (nullable = true)
 |-- last_marketing_click: timestamp (nullable = true)
 |-- last_activity_timestamp: timestamp (nullable = true)
res98: Long = 261620
+-----+-----+-----+-----+-----+
|category_code|email_hash|last_marketing_open|last_marketing_click|last_activity_timestamp|
+-----+-----+-----+-----+-----+
|              |0|0000d293ede29ebbb...|2021-07-28 22:30:33|              |2021-07-28 22:30:33|
|              |0|0003bc21a25a44e80...|2022-04-21 02:29:35|              |2022-04-21 02:29:35|
|              |0|000a61d4d59dcedff...|2022-04-19 15:38:53|              |2022-04-19 15:38:53|
|              |0|000d4f208666bd338...|2020-11-11 19:02:40|              |2020-11-11 19:02:40|
|              |0|000f7e8fe969bab6d...|2022-06-01 22:20:35|              |2022-06-01 22:20:35|
|              |0|01c4dbe676f56732...|2022-02-16 22:02:37|              |2022-02-16 22:02:37|
|              |0|0A271637ad6ch94645...|2022-04-28 22:23:42|              |2022-04-28 22:23:42|
```

### Enrich the data with the output of the Marketing Activity Task and Journey Task

```
user_primary_1: org.apache.spark.sql.DataFrame = [first_name: string, last_name: string ... 22 more fields]
res104: Long = 3862196
user_primary_2: org.apache.spark.sql.DataFrame = [first_name: string, last_name: string ... 31 more fields]
res105: Long = 3862196
user_primary_3: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
root
 |-- public_uuid: string (nullable = true)
 |-- first_name: string (nullable = true)
 |-- last_name: string (nullable = true)
 |-- email_address: string (nullable = true)
 |-- brandid: integer (nullable = true)
 |-- eapid: long (nullable = true)
 |-- tpid: integer (nullable = true)
 |-- locale: string (nullable = true)
 |-- last_activity_timestamp: timestamp (nullable = true)
 |-- last_marketing_open: timestamp (nullable = true)
 |-- last_marketing_click: timestamp (nullable = true)
 |-- next_reservation_uuid: string (nullable = true)
```

### Rename the columns and change Data type as per output schema

```
user_primary_3: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
user_primary_3: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
user_primary_3: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
user_primary_3: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
root
 |-- public_uuid: string (nullable = true)
 |-- first_name: string (nullable = true)
 |-- last_name: string (nullable = true)
 |-- email_address: string (nullable = true)
 |-- mer_status_st: integer (nullable = true)
 |-- eapid: long (nullable = true)
 |-- tpid: integer (nullable = true)
 |-- locale: string (nullable = true)
 |-- last_marketing_activity_date: date (nullable = true)
 |-- last_marketing_open_date: date (nullable = true)
 |-- last_marketing_click_date: date (nullable = true)
 |-- next_reservation_uuid: string (nullable = true)
 |-- next_reservation_arrival_date: date (nullable = true)
```

### Write it into the User Primary Path

```
user_primary: org.apache.spark.sql.DataFrame = [public_uuid: string, first_name: string ... 18 more fields]
root
 |-- public_uuid: string (nullable = true)
 |-- first_name: string (nullable = true)
 |-- last_name: string (nullable = true)
 |-- email_address: string (nullable = true)
 |-- mer_status_st: integer (nullable = true)
 |-- eapid: long (nullable = true)
 |-- tpid: integer (nullable = true)
 |-- locale: string (nullable = true)
 |-- last_marketing_activity_date: date (nullable = true)
 |-- last_marketing_open_date: date (nullable = true)
 |-- last_marketing_click_date: date (nullable = true)
 |-- next_reservation_uuid: string (nullable = true)
 |-- next_reservation_arrival_date: date (nullable = true)
 |-- next_reservation_departure_date: date (nullable = true)
 |-- next_reservation_primary_market_search_term_uuid: string (nullable = true)
 |-- destination_recn 1: string (nullable = true)
```