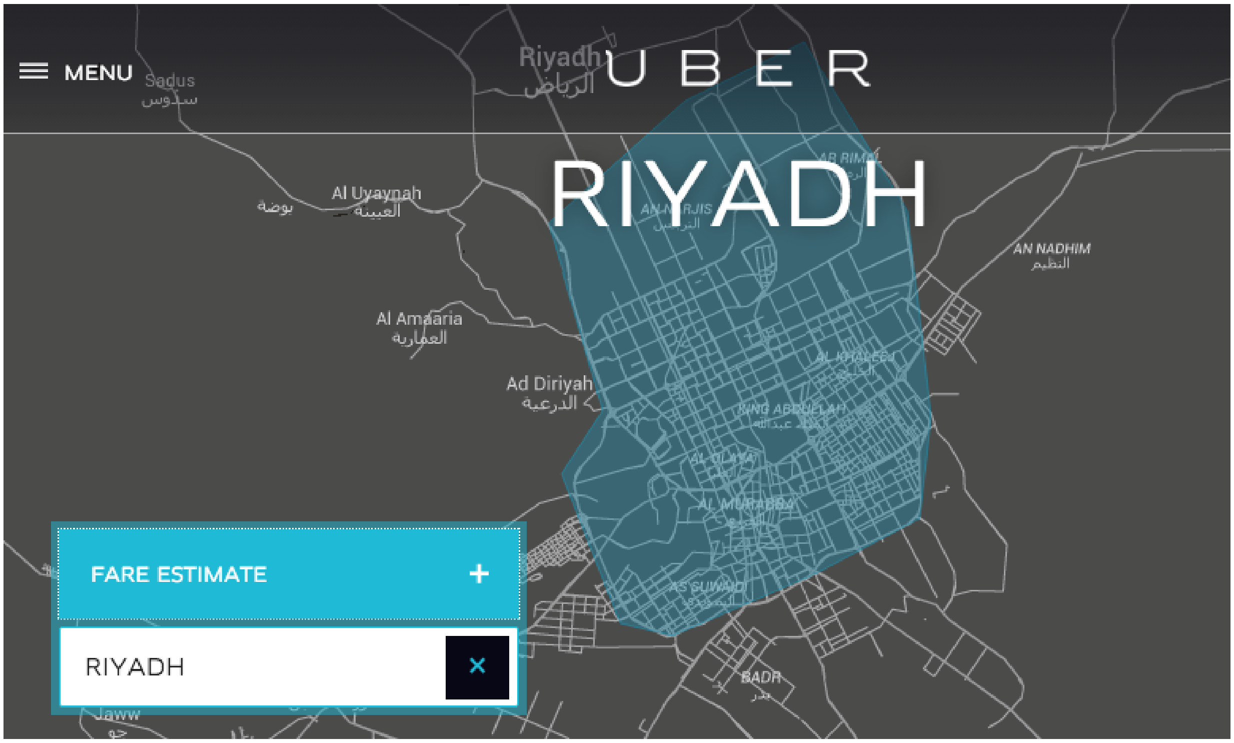
Uber - 2020 strategy for Riyadh Market (Part 1): SQL Query

Out[1]: The raw code for this IPython notebook is by default hidden for easier reading. To toggle on/off the raw code, click here.

Out[2]:



Introduction

Uber Technologies Inc. is investing $250 million to expand in the Middle East and North Africa, which have some of the ride-sharing service's fastest-growing markets, Bloomberg reports.

Uber is already in Saudi Arabia, and the ride-sharing app is having a significant impact on the transportation economy there.

Displays the tables and columns of each table of the dataset: trips, cities, riders, drivers, bills, vehicle

```
Out[5]: {'trips': ['city_id',
          'completed_trip',
          'distance_to_pickup',
          'driver_id',
          'dropoff_geo',
          'dropoff_local_time',
          'dropoff_utc_time',
          'entered_destination',
          'esttime_to_pickup',
          'pickup_geo',
          'pickup_local_time',
          'pickup_utc_time',
          'request_geo',
          'request_local_time',
          'request_type',
          'request_utc_time',
          'rider_id',
          'surged_trip',
          'time_to_pickup',
          'trip_id',
          'trip_status',
          'vehicle_id'],
         'cities': ['city_id',
          'city_name',
          'country_id',
          'country_name',
          'distance_unit',
          'lat',
          'lng',
          'local_currency'],
         'riders': ['active_city_id',
          'first_trip_id',
          'preferred_language',
          'rider_app',
          'rider_device',
          'rider_email',
          'rider_trip_count',
          'signup_date'],
         'drivers': ['active_city_id',
          'driver_app',
          'driver_device',
          'driver_email',
          'driver_id',
          'driver_trip_count',
          'first_trip_id',
          'preferred_language',
          'signup_date'],
         'bills': ['bill_id',
          'cancel_fee_local',
          'cancel_fee_usd',
          'completed_trip',
          'driver_id',
          'entered_destination',
          'exchange_rate',
          'local_currency',
          'paid_cash',
          'partner_id',
          'payment_type',
          'product_category',
          'request_type',
          'rider_id',
          'surged_trip',
          'trip_distance_miles',
          'trip_duration_seconds',
          'trip_fare_local',
          'trip_fare_usd',
          'trip_id'],
         'vehicles': ['seat_count',
          'vehicle_color',
          'vehicle_id',
          'vehicle_trip_count',
          'vehicle_type']}
```

```
trips.pickup_local_time,
trips.pickup_utc_time,
bills.cancel_fee_local,
bills.cancel_fee_usd,
trips.city_id,
cities.city_id,
riders.rider_app,
riders.rider_device,
riders.rider_trip_count,
trips.rider_id,
bills.rider_id,
     partner_vehicle_count,
drivers.driver_trip_count,
trips.driver_id,
drivers.driver_id,
bills.driver_id,
trips.dropoff_local_time,
trips.dropoff_utc_time,
trips.esttime_to_pickup,
trips.request_type,
bills.request_type,
trips.entered_destination,
bills.entered_destination,
bills.paid_cash,
trips.completed_trip,
bills.completed_trip,
trips.surged_trip,
bills.surged_trip,
bills.trip_fare_local,
bills.trip_fare_usd,
bills.partner_id,
trips.request_local_time,
trips.request_utc_time,
trips.distance_to_pickup,
trips.time_to_pickup,
trips.trip_status,
bills.trip_distance_miles,
bills.trip_duration_seconds,
trips.trip_id,
bills.trip_id,
vehicles.vehicle_trip_count,
trips.vehicle_id,
vehicles.vehicle_id,
vehicles.vehicle_type,
trips.pickup_geo,
trips.dropoff_geo,
```

Part 1: SQL query

Click the 'here' below to see the SQL query

Out[8]: The raw code for this IPython notebook is by default hidden for easier reading. To toggle on/off the raw code, click here.

Out[9]:

```
"\nselect\n    trips.pickup_local_time,\n    trips.pickup_utc_time,\n    bills.
cancel_fee_local,\n    bills.cancel_fee_usd,\n    trips.city_id,\n    riders.ri
der_app,\n    riders.rider_device,\n    riders.rider_trip_count,\n    trips.rid
er_id,\n    -- Assuming that the SQL dialect is Snowflake\n    array_size(drive
rs.vehicle_ids) as partner_vehicle_count,\n    drivers.driver_trip_count,\n    
trips.driver_id,\n    trips.dropoff_local_time,\n    trips.dropoff_utc_time,\n    
trips.esttime_to_pickup,\n    trips.request_type,\n    trips.entered_destinatio
n,\n    bills.paid_cash,\n    trips.completed_trip,\n    trips.surged_trip,\n    
bills.trip_fare_local,\n    bills.trip_fare_usd,\n    bills.partner_id,\n    tr
ips.request_local_time,\n    trips.request_utc_time,\n    trips.distance_to_pic
kup,\n    trips.time_to_pickup,\n    trips.trip_status,\n    bills.trip_distanc
e_miles,\n    bills.trip_duration_seconds,\n    trips.trip_id,\n    vehicles.ve
hicle_trip_count,\n    trips.vehicle_id,\n    vehicles.vehicle_id,\n    vehicle
s.vehicle_type,\n    trips.pickup_geo,\n    trips.dropoff_geo\nfrom bills\nleft
join trips on bills.trip_id = trips.trip_id\nleft join riders on bills.rider_id
= riders.rider_id\nleft join drivers on bills.driver_id = drivers.driver_id\nle
ft join vehicles on bills.vehicle_id = vehicles.vehicle_id\nwhere\n  trips.city
_id = 1\n  and request_utc_time between '2018-05-06 21:00:00' and '2018-07-01 2
0:00:00'\n"
```