

## SQL Queries for DoorDash Data

### Data Tables

Table.DeliveryData (10,000 rows)

delivery_id	date	store_id	order_value
1	2019-07-10	123	12.7
2	2019-06-05	345	30.9
3	2019-01-01	123	55.4
4	2019-01-01	456	22.2

Table.BusinessData (600 rows)

business_id	business name	store_id	dashpass
890	Taco Shop	123	Yes
891	Fruit Shop	345	Yes
456	Tea Sop	678	No
745	Ice Cream Shop	987	No

Table.AccountOwner\_Business\_Mapping (300 rows)

account_owner	business_id	region_id
Kevin	888	1
Matt	4546	2
Kevin	890	4
Carla	1045	5

Table.Region\_Mapping (30 rows)

region_id	region_name
1	Midwest
2	Tri-State
3	Southeast
4	SoCal

### Questions & Queries

- 1. During the month of August, how many deliveries did store 123 receive? What was the total revenue from these deliveries?**

**SELECT**

date\_format(date, '%Y-%m') as month,  
store\_id, count(delivery\_id) as  
total\_deliveries,  
sum(order\_value) as total\_revenue

**FROM**

DeliveryData

**GROUP BY**

month, store\_id

**HAVING** month = 08 AND store\_id =  
123;

- 2. How many stores are under business id 890? Of these stores, how many of them are on DashPass?**

**SELECT**

count(store\_id) as total\_stores,  
sum(IF(dashpass = 'Yes',1,0)) as on\_dashpass

**FROM**

BusinessData

**WHERE**

business\_id = 890;

### 3. How many stores do Kevin and Carla manage?

```
SELECT abm.account_owner as
       account_manager, count(bd.store_id) as
       stores_managed
FROM   BusinessData as bd
LEFT JOIN
       AccountOwner_Business_Mapping as abm
ON     bd.business_id = abm.business_id
GROUP BY
       abm.account_owner
HAVING
       abm.account_owner = 'Kevin' OR abm.account_owner = 'Carla';
```

### 4. Show monthly sales for stores that Kevin and Carla manage, including a running total of cumulative sales.

```
SELECT
       abm.account_owner, date_format(dd.date, '%Y-%m') as month,
       bd.store_id sum(dd.order_value) as monthly_sales,
       sum(sum(dd.order_value)) OVER (PARTITION BY abm.account_owner,
       bd.store_id ORDER BY date_format(dd.date, '%Y-%m')) as
       montly_cumulative_sales
FROM   DeliveryData as dd
JOIN   BusinessData as bd ON dd.store_id = bd.store_id
JOIN   AccountOwner_Business_Mapping as abm ON bd.business_id = abm.business_id
WHERE  abm.account_owner IN ('Kevin', 'Carla')
GROUP BY
       abm.account_owner, date_format(dd.date, '%Y-%m'), bd.store_id
ORDER BY
       abm.account_owner, bd.store_id, date_format(dd.date, '%Y-%m')
```