

## 1. Database Creation

```
CREATE DATABASE ecommerce;  
use ecommerce;
```

## 2. Table Creation and Data Loading

```
CREATE TABLE customers ( customer_id VARCHAR(50) PRIMARY KEY,  
customer_unique_id VARCHAR(50), customer_zip_prefix INT, customer_city  
VARCHAR(100), customer_state VARCHAR(10));
```

```
LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server  
8.0/Uploads/customers.csv" INTO TABLE customers FIELDS TERMINATED  
BY ',' ENCLOSED BY '"' LINES TERMINATED BY '\n' IGNORE 1 ROWS  
(customer_id, customer_unique_id, customer_zip_prefix, customer_city,  
customer_state);
```

```
CREATE TABLE orders (order_id VARCHAR(50) PRIMARY KEY,  
customer_id VARCHAR(50), order_status VARCHAR(20),  
order_purchase_timestamp DATETIME, order_approved_at DATETIME,  
order_delivered_carrier_date DATETIME, order_delivered_customer_date  
DATETIME, order_estimated_delivery_date DATETIME, FOREIGN KEY  
(customer_id) REFERENCES customers(customer_id));
```

```
ALTER TABLE orders ADD COLUMN customer_state VARCHAR(10);
```

```
LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server  
8.0/Uploads/orders.csv" INTO TABLE orders FIELDS TERMINATED BY ','  
ENCLOSED BY '"' LINES TERMINATED BY '\n' IGNORE 1 ROWS (order_id,  
customer_id, order_status, @purchase_ts, @approved_at, @delivered_carrier,  
@delivered_customer, @estimated_delivery, customer_state) SET  
order_purchase_timestamp = STR_TO_DATE(@purchase_ts, '%d-%m-%Y  
%H:%i'),  
order_approved_at = STR_TO_DATE(@approved_at, '%d-%m-%Y %H:%i'),  
order_delivered_carrier_date = STR_TO_DATE(NULLIF(@delivered_carrier,"),  
'%d-%m-%Y %H:%i'), order_delivered_customer_date =  
STR_TO_DATE(NULLIF(@delivered_customer,"), '%d-%m-%Y %H:%i'),  
order_estimated_delivery_date =  
STR_TO_DATE(NULLIF(@estimated_delivery,"), '%d-%m-%Y %H:%i');
```

```

mysql> use ecommerce;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> CREATE TABLE customers (
  ->     customer_id VARCHAR(50) PRIMARY KEY,
  ->     customer_unique_id VARCHAR(50),
  ->     customer_zip_prefix INT,
  ->     customer_city VARCHAR(100),
  ->     customer_state VARCHAR(10)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/customers.csv"
  -> INTO TABLE customers
  -> FIELDS TERMINATED BY ','
  -> ENCLOSED BY '"'
  -> LINES TERMINATED BY '\n'
  -> IGNORE 1 ROWS
  -> (customer_id, customer_unique_id, customer_zip_prefix, customer_city, customer_state);
Query OK, 10000 rows affected (0.36 sec)
Records: 10000 Deleted: 0 Skipped: 0 Warnings: 0

mysql> CREATE TABLE orders (
  ->     order_id VARCHAR(50) PRIMARY KEY,
  ->     customer_id VARCHAR(50),
  ->     order_status VARCHAR(20),
  ->     order_purchase_timestamp DATETIME,
  ->     order_approved_at DATETIME,
  ->     order_delivered_carrier_date DATETIME,
  ->     order_delivered_customer_date DATETIME,
  ->     order_estimated_delivery_date DATETIME,
  ->     FOREIGN KEY (customer_id) REFERENCES customers(customer_id)
  -> );
Query OK, 0 rows affected (0.06 sec)

mysql> LOAD DATA INFILE "C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/orders.csv"
  -> INTO TABLE orders
  -> FIELDS TERMINATED BY ','
  -> ENCLOSED BY '"'
  -> LINES TERMINATED BY '\n'
  -> IGNORE 1 ROWS
  -> (order_id, customer_id, order_status,
  ->     @purchase_ts, @approved_at, @delivered_carrier, @delivered_customer, @estimated_delivery, customer_state)
  -> SET
  ->     order_purchase_timestamp = STR_TO_DATE(@purchase_ts, '%d-%m-%Y %H:%i'),
  ->     order_approved_at = STR_TO_DATE(@approved_at, '%d-%m-%Y %H:%i'),
  ->     order_delivered_carrier_date = STR_TO_DATE(NULLIF(@delivered_carrier, ''), '%d-%m-%Y %H:%i'),
  ->     order_delivered_customer_date = STR_TO_DATE(NULLIF(@delivered_customer, ''), '%d-%m-%Y %H:%i'),
  ->     order_estimated_delivery_date = STR_TO_DATE(NULLIF(@estimated_delivery, ''), '%d-%m-%Y %H:%i');
Query OK, 971 rows affected (0.13 sec)
Records: 971 Deleted: 0 Skipped: 0 Warnings: 0

```

### 3. Data Retrieval Queries

SELECT \* FROM customers LIMIT 10;

```
mysql> SELECT * FROM customers LIMIT 10;
```

customer_id	customer_unique_id	customer_zip_prefix	customer_city	customer_state
f4117407665ac33275130	7e0516b486e92ed3f3afdd6d1276cfbd	35540	oliveira	MG
33b2d0ec8c69fc70ef768	fa30145b07cad8e972bea351a65216f4	13106	campinas	SP
413e19704b3867c369d3a	e57a935f49ffd73b93c18eaaa04efa84	5387	sao paulo	SP
4993879adaa91c518f68c	5616f75d22507069b5383854a1d8c414	31060	belo horizonte	MG
fde13ddaa7b8e385af919	866c923cde750dfc8c9d5ced0ee4	25903	mage	RJ
ca77254dbc47f4ea358b2	392c8818b71b14227a7c701e7d54a3a1	13635	pirassununga	SP
83c3d1d1e81c616e321e8	1b9872e035e88fc720548cc74a815a46	22210	rio de janeiro	RJ
4231742e3c5396b333b88	aaf46bd4e1ad43275a5a20bd485e7661	11440	guaraju	SP
b66e998f67b09e7b11375	431af5c5638973ed6e431618f318a0a2	84040	ponta grossa	PR
f1d555a582504a4058f4c	442bdd695caba6183fc44d6cfd4f094	5857	sao paulo	SP

10 rows in set (0.00 sec)

SELECT \* FROM orders WHERE order\_status = 'delivered' LIMIT 10;

```
mysql> SELECT * FROM orders WHERE order_status = 'delivered' LIMIT 10;
```

order_id	customer_id	order_status	order_purchase_timestamp	order_approved_at	order_delivered_carrier_date	order_delivered_customer_date	order_estimated_delivery_date
008c3a655c664d92378d0d422732f69	f9f9943ef9d29a86f10de3b43cd84356	delivered	2018-03-04 23:15:00	2018-03-06 04:08:00	2018-03-07 00:32:00	2018-03-09 20:27:00	2018-03-15 00:00:00
00c405bd71187154a7846862f585a9d4	1ab52508d3c58d96241850142347b75f	delivered	2017-10-23 14:59:00	2017-10-23 15:14:00	2017-10-25 13:30:00	2017-10-31 18:47:00	2017-11-17 00:00:00
00d88c00221ce96a1cfca9f2fceb3b	2726ee187e4908c9683ac2a8a0424af1	delivered	2018-03-06 23:02:00	2018-03-06 23:15:00	2018-03-08 20:50:00	2018-03-28 15:49:00	2018-03-28 00:00:00
00f2a3509bd00bd1069a48353788d93	37dafcdee86df7843f93d4b4d5325dde	delivered	2018-02-25 12:08:00	2018-02-25 12:29:00	2018-02-28 15:34:00	2018-03-01 16:58:00	2018-03-26 00:00:00
01074135a88ffa5978eaa4fc7f482f2b	acc1272df0c1c3d973ccb5be09d0ab41	delivered	2018-03-30 10:53:00	2018-03-30 11:47:00	2018-04-02 23:06:00	2018-04-17 17:29:00	2018-04-24 00:00:00
0121cf7c946e6589f50d7012d3eb5eb	4797fb67b3991c9513486658f6d694fd	delivered	2017-08-30 11:47:00	2017-08-30 12:50:00	2017-08-31 21:36:00	2017-09-06 20:06:00	2017-09-26 00:00:00
01633cfec0376ac9f2606e271ede5574	7511d7ebaabaa2f1e5b75763fac193c9	delivered	2017-02-23 12:10:00	2017-02-24 02:45:00	2017-03-01 16:14:00	2017-03-16 10:24:00	2017-04-05 00:00:00
02b73712c7944322d0b5a314f242aee4	d9778e3e408e8c54bdb818ab6bdccc39	delivered	2017-09-16 10:25:00	2017-09-16 11:03:00	2017-09-18 18:03:00	2017-09-26 21:42:00	2017-10-06 00:00:00
02bee30cb834a5d33aae42f4c325e7a	9172f54a6e979ee28aaaada718189c9b	delivered	2018-06-19 17:51:00	2018-06-19 18:22:00	2018-06-20 14:07:00	2018-06-21 19:11:00	2018-06-29 00:00:00
02c6f38cbcd2d15df19cf2621019823fd	2cd1a450888a4cc3d4b8c5ed6482fe47	delivered	2017-07-06 09:08:00	2017-07-07 02:55:00	2017-07-11 20:32:00	2017-07-18 18:42:00	2017-08-01 00:00:00

10 rows in set (0.00 sec)

### 4. Aggregate function

SELECT AVG(DATEDIFF(order\_delivered\_customer\_date, order\_purchase\_timestamp)) AS avg\_delivery\_days FROM orders WHERE order\_delivered\_customer\_date IS NOT NULL;

```
mysql> SELECT AVG(DATEDIFF(order_delivered_customer_date, order_purchase_timestamp)) AS avg_delivery_days FROM orders WHERE order_delivered_customer_date IS NOT NULL;
```

avg_delivery_days
18.1392

1 row in set (0.01 sec)

SELECT o.customer\_id, SUM(DATEDIFF(o.order\_delivered\_customer\_date, o.order\_purchase\_timestamp)) AS total\_delivery\_days FROM orders o WHERE o.order\_delivered\_customer\_date IS NOT NULL GROUP BY o.customer\_id ORDER BY total\_delivery\_days DESC LIMIT 10;

```
mysql> SELECT o.customer_id, SUM(DATEDIFF(o.order_delivered_customer_date, o.order_purchase_timestamp)) AS total_delivery_days FROM orders o WHERE o.order_delivered_customer_date IS NOT NULL GROUP BY o.customer_id ORDER BY total_delivery_days DESC LIMIT 10;
```

customer_id	total_delivery_days
95446917717bb58d553d107d0f1668f6	767
9a66505bf502bb3d549c86dd61b38b02	767
7185f0b4483003e78b65e2571d89976f	553
1e8918f0d80bd46e2d65957831e092c	463
1f9d7eb9953ad379f11be30ae9dda416	453
16c4024b31236bbdb509f655a45b4969	424
2b99e152f2351410951c503a2f6a2d7e	358
c438793f5bfa6de0ee35371740b40bb5	354
48c2928ba35098ca096267d9dbe467b4	321
50bb775cd30a21ae108d486abb6d9df	277

10 rows in set (0.01 sec)

## 5. Joins

SELECT o.order\_id, c.customer\_city, o.order\_status FROM orders o JOIN customers c ON o.customer\_id = c.customer\_id WHERE c.customer\_city = 'Sao Paulo';

```
mysql> SELECT o.order_id, c.customer_city, o.order_status FROM orders o JOIN customers c ON o.customer_id = c.customer_id WHERE c.customer_city = 'Sao Paulo';
```

order_id	customer_city	order_status
00f2a3509bd600bd1a06a48353788d93	sao paulo	delivered
02bee300cb834a5d334ae42fdc325e7a	sao paulo	delivered
02c8da4d42d8bb546d022a0701ea1b5a	sao paulo	delivered
05522f28fba2d5e7e9f490cc0ae23ba	sao paulo	delivered
07bec24c128f1f4047bfc582732c1d9d	sao paulo	delivered
0b736121c8d0bffe6c9e592d6f91ba5c	sao paulo	delivered
0c78ccb9fbc7e1d41165489050f6b748	sao paulo	delivered
0d01eea244609b22f49983e36c80c89c	sao paulo	delivered
109294a0d68947b6b49c0a59a8f951cd	sao paulo	delivered
14a92ecd0503cd0c9f6cfb0aea76df7	sao paulo	delivered
15d2b3dbc33db614663846c65954138	sao paulo	delivered
17dc1e21997af8e93c8d7f7db02565f	sao paulo	delivered
18072fa30ade81f4d43586d2a26992f	sao paulo	delivered
191a21c0a0934fb7dcd56c6b28a8682	sao paulo	delivered
1aeb3f9567c145e96f6139896e6e6a	sao paulo	delivered
1dde4ac444355c43b97d058a89e45bf	sao paulo	delivered
1ed7a9f105bb93051eb43d410118a2f1	sao paulo	delivered
216c576eda21cb85b7b30d4668db4f91	sao paulo	delivered
23eb2da1dca08746d9fafba58255512f	sao paulo	delivered
2882e815bb59314e58194ad72fe61e3	sao paulo	delivered
28c35e27d64425e036ae27599f7779	sao paulo	delivered
2b76dd101f9fac3d195e241cd11a649	sao paulo	delivered
2c06e80ee31e3bc878d17d0c6abb8f4c	sao paulo	delivered
31c2a1051b9b9899d82d9b980ec8775d	sao paulo	delivered
344d772475d1c5c3b9d41758ef8f44	sao paulo	delivered
36b84e12c328ee0ef34e9ef635852a	sao paulo	delivered
3c31676dda1c2731a56d31f4157f72b4	sao paulo	delivered
3d8548cd4ceec4412f9007bf10e67b70f	sao paulo	delivered
3e8c191415aee10ba1ac896f535b484	sao paulo	shipped
3f27d00b2513b7f6ced3d148e009ae	sao paulo	delivered
41139409fb8433d4413f648ae690815	sao paulo	delivered
42ee4f901900767ba353278c7c4f4d3	sao paulo	delivered
43a23a9a05a87ff4d46b5b18829fe9ae	sao paulo	delivered
446461e27059dccc66c0d83df1d3fadf	sao paulo	delivered
4652e6a9e9b5b2e3304630e1f185939	sao paulo	delivered
465b896aa34a4d4f8c359165ee6f066c	sao paulo	delivered
4970ecf64d47def5d7c4cd39b7ce8d1	sao paulo	delivered
499a767a72fde83ce39b03db3b95cbf	sao paulo	delivered
4a0d05faf4d4a0bf77349abab131	sao paulo	delivered
4ab99aa84c8140d406cbdf001bf1bbd6	sao paulo	delivered
4f22cd3d78d124f7ac060a3171493ef4	sao paulo	delivered
519b875e24ac4f5060eda1fabcd6b3bd	sao paulo	delivered
52628d72feaca84428e9d902d3985605	sao paulo	delivered
553cd2acd876bcd93f9d3fcec45495ca	sao paulo	delivered

SELECT o.order\_id, c.customer\_city, o.order\_status FROM orders o INNER JOIN customers c ON o.customer\_id = c.customer\_id LIMIT 10;

```
mysql> SELECT o.order_id, c.customer_city, o.order_status FROM orders o INNER JOIN customers c ON o.customer_id = c.customer_id LIMIT 10;
```

order_id	customer_city	order_status
008c3a655c66f4d92370d0d422732f69	sorocaba	delivered
00c405bd7118715a7846862f585a9d4	feira de santana	delivered
00d88c00221ce96a1cfcaca9f2fceb3b	volta redonda	delivered
00daac8ef71674d62356c2a306d1e4c	dom joaquim	unavailable
00f2a3509bd600bd1a06a48353788d93	sao paulo	delivered
01074135a88ffa5978eaadfc7f482f2b	montalvania	delivered
0121cfa7c946e6589f50d7012d3eb5eb	lins	delivered
01633cfec0376ac9f2606e271ede5574	coribe	delivered
02b73712c7944322d0b5a314f2424ee4	rio de janeiro	delivered
02bee300cb834a5d334ae42fdc325e7a	sao paulo	delivered

10 rows in set (0.00 sec)

SELECT c.customer\_id, o.order\_id FROM customers c LEFT JOIN orders o ON c.customer\_id = o.customer\_id LIMIT 10;

```
mysql> SELECT c.customer_id, o.order_id FROM customers c LEFT JOIN orders o ON c.customer_id = o.customer_id LIMIT 10;
```

customer_id	order_id
000598caf2ef4117407665ac33275130	9b961b894e797f63622137ff7eb1c1af
0009a69b72033b2d0ec8c69fc70ef768	048beca6ccda094fb80bbc704d7c493d
001028b78fd413e19704b3867c369d3a	NULL
00146ad30454993879ad9a91c518f68c	NULL
0015f7887e2fde13ddaa7b8e385af919	NULL
0018f7fde63ca77254dbc47f4ea358b2	7ad292313f72d59700c72169ba543021
00302a0b99783c3d1d1e81c616e321e8	NULL
00314f95a054231742e3c5396b333b88	NULL
0031abfb953b66e998f67b09e7b11375	NULL
0037d14e53af1d555a582504a4058f4c	NULL

10 rows in set (0.00 sec)

SELECT o.order\_id, o.customer\_id, o.order\_status, c.customer\_unique\_id FROM orders o RIGHT JOIN customers c ON o.customer\_id = c.customer\_id LIMIT 20;

```
mysql> SELECT o.order_id, o.customer_id, o.order_status, c.customer_unique_id FROM orders o RIGHT JOIN customers c ON o.customer_id = c.customer_id LIMIT 20;
```

order_id	customer_id	order_status	customer_unique_id
9b961b894e797f63622137ff7eb1c1af	000598caf2ef4117407665ac33275130	delivered	7e0516b486e92ed3f3afdd6d1276cfbd
048beca6ccda094fb80bbc704d7c493d	0009a69b72033b2d0ec8c69fc70ef768	delivered	fa30145b07cad8e972bea351a65216f4
NULL	NULL	NULL	e57a935f49ffd73b93c18eaaa04efa84
NULL	NULL	NULL	5616f75d22507069b538354a1d8c414
NULL	NULL	NULL	866c923cde750dfc8c8bfc9d5ced0ee4
7ad292313f72d59700c72169ba543021	0018f7fde63ca77254dbc47f4ea358b2	delivered	392c8818b71b14227a7c701e7d54a3a1
NULL	NULL	NULL	1b9872e035e88fc720548cc74a815a46
NULL	NULL	NULL	aa46bd4e1ad43275a5a20bd485e7661
NULL	NULL	NULL	431af5c5638973ed6e431618f318a0a2
NULL	NULL	NULL	442bdd695caba6183fc44d6cfd4f094
NULL	NULL	NULL	8f20ece0099d6e5c22c1fd0c24a1e681
NULL	NULL	NULL	96d0aa18ee946b81f6b78e07830194a2
NULL	NULL	NULL	7bf845014243c08bdcea071d6981303e
NULL	NULL	NULL	0a9854e7028c74302d0963fa56e77a18
NULL	NULL	NULL	fd03997c82649affc061d275ddf1f3d9
NULL	NULL	NULL	dff41d762e4e7b68b73af7203a429072
NULL	NULL	NULL	f794c59a46dc4872d9d7d173c1b51525a
NULL	NULL	NULL	52b088042a61c6a03ba2027a6dd929cc
NULL	NULL	NULL	11a58793327e4f480717491484f4372a
NULL	NULL	NULL	31d436bafbad927dc79b130826dc3404

20 rows in set (0.00 sec)

## 6. Subquery

SELECT \* FROM orders WHERE customer\_id = ( SELECT customer\_id FROM orders GROUP BY customer\_id ORDER BY COUNT(order\_id) DESC LIMIT 1);

```
mysql> SELECT * FROM orders WHERE customer_id = ( SELECT customer_id FROM orders GROUP BY customer_id ORDER BY COUNT(order_id) DESC LIMIT 1);
```

order_id	customer_id	order_status	order_purchase_timestamp	order_approved_at	order_delivered_carrier_date	order_delivered_customer_date	order_estimated_delivery_date	customer_state
9b961b894e797f63622137ff7eb1c1af	000598caf2ef4117407665ac33275130	delivered	2018-08-11 12:14:00	2018-08-11 12:25:00	2018-08-13 14:41:00	2018-08-20 18:18:00	2018-09-06 00:00:00	MG

1 row in set (0.00 sec)

## 7. Order by and Group by

SELECT order\_status, COUNT(\*) AS total\_orders FROM orders GROUP BY order\_status ORDER BY total\_orders DESC;

```
mysql> SELECT order_status, COUNT(*) AS total_orders FROM orders GROUP BY order_status ORDER BY total_orders DESC;
```

order_status	total_orders
delivered	944
shipped	10
canceled	5
unavailable	5
processing	4
invoiced	3

6 rows in set (0.01 sec)

## 8. Views

```
CREATE VIEW orders_summary AS SELECT order_status, COUNT(order_id)
AS total_orders, AVG(DATEDIFF(order_delivered_customer_date,
order_purchase_timestamp)) AS avg_delivery_days,
MIN(order_purchase_timestamp) AS first_order_date,
MAX(order_purchase_timestamp) AS last_order_date FROM orders WHERE
order_delivered_customer_date IS NOT NULL GROUP BY order_status ORDER
BY total_orders DESC;
```

SELECT \* FROM orders\_summary;

```
mysql> CREATE VIEW orders_summary AS SELECT order_status, COUNT(order_id) AS total_orders, AVG(DATEDIFF(order_delivered_customer_date, order_purchase_timestamp)) AS avg_delivery_days, MIN(order_purchase_timestamp) AS first_order_date, MAX(order_purchase_timestamp) AS last_order_date FROM orders WHERE order_delivered_customer_date IS NOT NULL GROUP BY order_status ORDER BY total_orders DESC;
Query OK, 0 rows affected (0.02 sec)

mysql> SELECT * FROM orders_summary;
+-----+-----+-----+-----+-----+
| order_status | total_orders | avg_delivery_days | first_order_date | last_order_date |
+-----+-----+-----+-----+-----+
| delivered    | 944          | 12.4364          | 2016-10-06 10:12:00 | 2018-08-25 18:37:00 |
| shipped       | 9            | 157.7778         | 2016-10-07 15:53:00 | 2018-04-13 16:27:00 |
| canceled     | 5            | 148.0000         | 2017-03-05 19:39:00 | 2018-07-30 12:04:00 |
| unavailable  | 5            | 227.2000         | 2017-05-29 19:22:00 | 2017-11-28 12:03:00 |
| processing   | 4            | 272.0000         | 2017-05-07 22:55:00 | 2018-01-11 11:45:00 |
| invoiced     | 3            | 490.3333         | 2017-02-09 15:27:00 | 2017-11-13 16:27:00 |
+-----+-----+-----+-----+-----+
6 rows in set (0.01 sec)
```

## 9. Index

```
CREATE INDEX idx_orders_status ON orders(order_status);
SELECT * FROM orders WHERE order_status = 'delivered';
```

```
mysql> CREATE INDEX idx_orders_status ON orders(order_status);
Query OK, 0 rows affected, 1 warning (0.12 sec)
Records: 0 Duplicates: 0 Warnings: 1

mysql> SELECT * FROM orders WHERE order_status = 'delivered';
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| order_id | order_delivered_date | customer_state | customer_id | order_status | order_purchase_timestamp | order_approved_at | order_delivered_carrier_date | order_delivered_customer_date | order_estimated_delivery_date |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 008c3a655c66f4d92370d0d422732f69 | 2018-03-06 04:08:00 | SP | f9f9943ef9d29a86f10de3b43cd84356 | delivered | 2018-03-04 23:15:00 | 2018-03-06 04:08:00 | 2018-03-07 00:32:00 | 2018-03-09 20:27:00 | 2018-03-15 00:00:00 |
| 00c4095bd71187154a7846862f585a9d4 | 2017-10-23 15:14:00 | BA | 1ab52508d3c58d96241850142347b75f | delivered | 2017-10-23 14:59:00 | 2017-10-23 15:14:00 | 2017-10-25 13:30:00 | 2017-10-31 18:47:00 | 2017-11-17 00:00:00 |
| 00d88c00221ce9a61cfcaca9f2fceb3b | 2018-03-06 23:02:00 | RJ | 2726ee187e4908c9683ac2a8a0424af1 | delivered | 2018-03-06 23:15:00 | 2018-03-06 23:02:00 | 2018-03-08 20:50:00 | 2018-03-28 15:49:00 | 2018-03-28 00:00:00 |
| 00f2a3509bd600bd1506a48353788d93 | 2018-02-25 12:08:00 | SP | 37dafcdee86df7843f93d4b4d5325dde | delivered | 2018-02-25 12:29:00 | 2018-02-25 12:08:00 | 2018-02-28 15:34:00 | 2018-03-01 16:58:00 | 2018-03-26 00:00:00 |
| 01074135a88ffa5978eadafc7f482f2b | 2018-03-30 11:47:00 | MG | acc1272df0c1c3d973ccb5be09d0ab41 | delivered | 2018-03-30 11:47:00 | 2018-04-02 23:06:00 | 2018-04-17 17:29:00 | 2018-04-24 00:00:00 | 2018-05-01 00:00:00 |
| 0121cfa7c946e6589f50d7012d3eb5eb | 2017-08-30 12:50:00 | SP | 4797fb67b3991c9513486658f6d694fd | delivered | 2017-08-30 12:50:00 | 2017-08-31 21:36:00 | 2017-09-06 20:06:00 | 2017-09-26 00:00:00 | 2017-10-01 00:00:00 |
| 01633cfec0376ac9f2606e271ede5574 | 2017-02-23 12:10:00 | BA | 7511d7ebaabaa2f1e5b75763fac193c9 | delivered | 2017-02-24 02:45:00 | 2017-03-01 16:14:00 | 2017-03-16 10:24:00 | 2017-04-05 00:00:00 | 2017-04-12 00:00:00 |
| 02b73712c7944322d0b5a314f2424ee4 | 2017-09-16 11:03:00 | RJ | d9778e3e408e8c54bdb818ab6bdccc39 | delivered | 2017-09-16 11:03:00 | 2017-09-18 18:03:00 | 2017-09-26 21:42:00 | 2017-10-06 00:00:00 | 2017-10-13 00:00:00 |
| 02bee300cb834a5d334ae42fd325e7a | 2018-06-19 17:51:00 | SP | 9172f54a6e979ee28aaaada718189c9b | delivered | 2018-06-19 18:22:00 | 2018-06-20 14:07:00 | 2018-06-21 19:11:00 | 2018-06-29 00:00:00 | 2018-07-06 00:00:00 |
| 02c6f38cbcd215df19cf2621019823fd | 2017-07-06 09:08:00 | RS | 2cd1aa50888acc3d4b8c5ed6482fe47 | delivered | 2017-07-07 02:55:00 | 2017-07-11 20:32:00 | 2017-07-18 18:42:00 | 2017-08-01 00:00:00 | 2017-08-08 00:00:00 |
| 02c8da4642d8b546d02a0701e1b5a | 2018-07-24 14:06:00 | SP | 6aa648d1941ad74851f11529a29d5fdf | delivered | 2018-07-24 14:24:00 | 2018-07-25 14:38:00 | 2018-07-27 16:35:00 | 2018-08-06 00:00:00 | 2018-08-13 00:00:00 |
| 02f886b28af70797575677a544bc54fda | 2017-11-08 00:38:00 | SP | b6354a784b22dad8e36b59fb230baedb | delivered | 2017-11-09 05:31:00 | 2017-11-10 20:18:00 | 2017-11-21 15:28:00 | 2017-11-22 00:00:00 | 2017-11-29 00:00:00 |
| 02fab07a655ce48430d65b508f32d9e | 2017-05-19 14:41:00 | GO | 10eeea4da147ae9bc5f7b21f32c1fb3c0 | delivered | 2017-05-19 14:55:00 | 2017-06-02 16:21:00 | 2017-06-08 16:55:00 | 2017-06-14 00:00:00 | 2017-06-21 00:00:00 |
| 032f490848e03049a3ec0379ea0abb82 | 2017-06-08 16:45:00 | SC | 09f1f35b980e019dc3e29823af2954fd | delivered | 2017-06-10 02:50:00 | 2017-06-13 08:18:00 | 2017-06-22 17:06:00 | 2017-07-10 00:00:00 | 2017-07-17 00:00:00 |
| 0394cd30572c0048e41267320a28270e | 2017-05-03 11:58:00 | AP | 28135fbf5e6fc1254f50aafee7b02b0 | delivered | 2017-05-04 06:35:00 | 2017-05-04 15:58:00 | 2017-05-24 20:51:00 | 2017-06-07 00:00:00 | 2017-06-14 00:00:00 |
| 039fcd445fe2e500442c34326f2b764 | 2018-06-03 12:06:00 | SE | 7f3c887db08ec3506117be4612105cf28 | delivered | 2018-06-03 12:30:00 | 2018-06-04 09:11:00 | 2018-06-12 14:29:00 | 2018-07-13 00:00:00 | 2018-07-20 00:00:00 |
| 03a18d20c8d8ed81a44b9df494ff86c | 2017-08-17 20:28:00 | GO | 03432b33c8aeb8601e3ffbb38127ee2d | delivered | 2017-08-17 21:05:00 | 2017-08-30 15:08:00 | 2017-09-05 22:09:00 | 2017-09-15 00:00:00 | 2017-09-22 00:00:00 |
| 04127548fb3634ce9a0d03765c05cdc68 | 2018-02-04 22:20:00 | SP | 0eab5c860fac0aff7a9ef8f11decdec68 | delivered | 2018-02-04 22:30:00 | 2018-02-05 18:41:00 | 2018-02-06 15:45:00 | 2018-02-22 00:00:00 | 2018-02-29 00:00:00 |
| 0417c9ab9d789459e66e8d325ce4a6a | 2018-06-25 08:27:00 | SP | d5f406fffe58d33efe48566eba1b6537 | delivered | 2018-06-25 08:38:00 | 2018-06-25 11:04:00 | 2018-06-27 15:52:00 | 2018-07-12 00:00:00 | 2018-07-19 00:00:00 |
```