

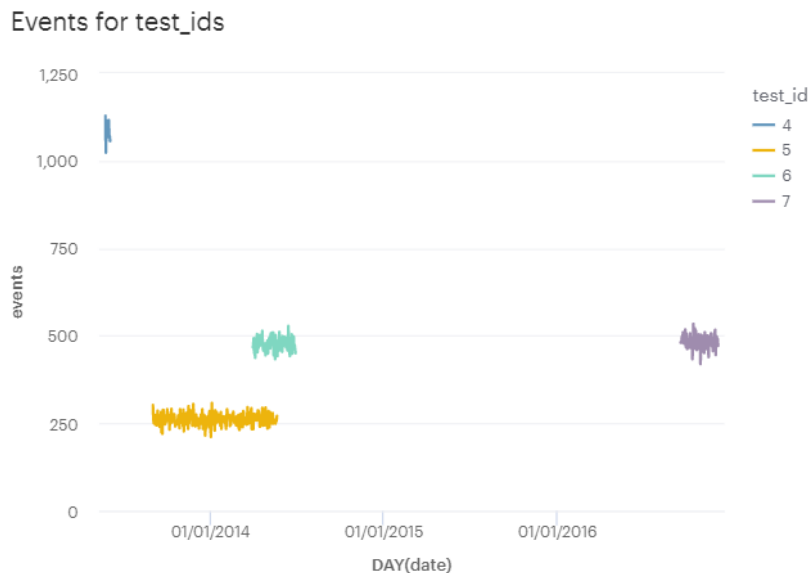
Test Assignments

Exercise 1: Figure out how many tests we have running right now.

```
1. select
2.   count(distinct parameter_value) as tests
3. from dsv1069.events
4. where event_name = 'test_assignment'
5. and parameter_name = 'test_id'
```

Exercise 2: Check for potential problems with test assignments. For example, Make sure there is no data obviously missing (This is an open ended question).

```
1. select
2.   parameter_value as test_id,
3.   date(event_time),
4.   count(*) as events
5. from
6.   dsv1069.events
7. where
8.   event_name = 'test_assignment'
9. and
10.  parameter_name = 'test_id'
11. group by
12.   parameter_value,
13.   date(event_time)
```



Exercise 3: Write a query that returns a table of assignment events. Please include all of the relevant parameters as columns (Hint: A previous exercise as a template).

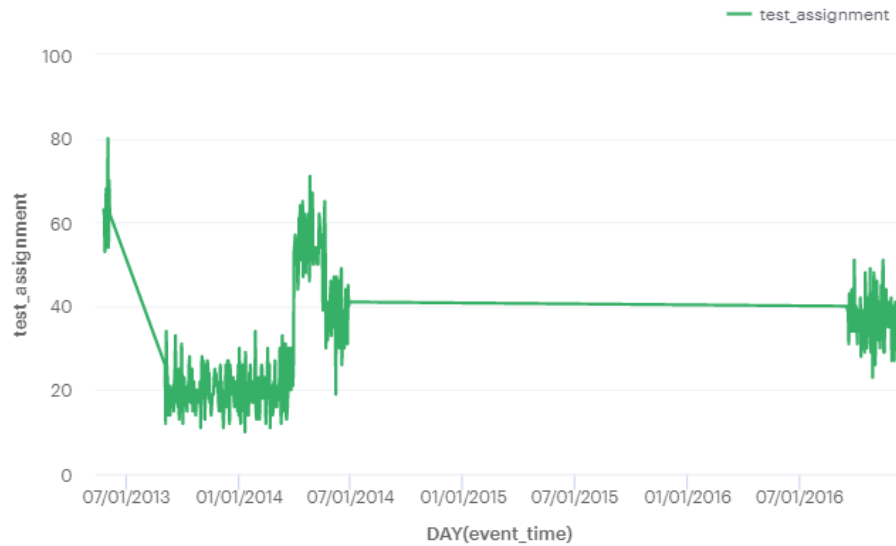
```
1. select
2.   event_id,
3.   event_time,
4.   user_id,
5.   max(case when parameter_name = 'test_id'
6.     then cast(parameter_value as int)
7.     else null
8.   end) as test_id,
9.   max(case when parameter_name = 'test_assignment'
10.    then cast(parameter_value as int)
11.    else null
```

```

12.         end) as test_assignment
13. from
14.   dsv1069.events
15. where
16.   event_name = 'test_assignment'
17. group by
18.   event_id,
19.   event_time,
20.   user_id
21. order by event_id
22. limit 25000

```

Test_Assignments



Exercise 4: Check for potential assignment problems with test_id 5. Specifically, make sure users are assigned only one treatment group.

```

1. select
2.   user_id,
3.   test_id,
4.   count(distinct test_assignment) as assignments
5. from
6.   (
7.     select
8.       event_id,
9.       event_time,
10.      user_id,
11.      max(case when parameter_name = 'test_id'
12.              then cast(parameter_value as int)
13.            else null
14.          end) as test_id,
15.      max(case when parameter_name = 'test_assignment'
16.              then cast(parameter_value as int)
17.            else null
18.          end) as test_assignment
19.    from
20.      dsv1069.events
21.   where
22.     event_name = 'test_assignment'
23.   group by
24.     event_id,
25.     event_time,
26.     user_id
27.   order by event_id

```

```
28. ) assigned
29. where test_id = 5
30. group by
31.   user_id,
32.   test_id
33. order by
34.   assignments desc
35. limit 5
```

Mode Report Link: <https://app.mode.com/sum14/reports/06da0ff29e6e>