**Analysis:**

1. Find the total row count of row in event table.
   1. select count(1) from dbo.Event-> 5588440
2. find the row where event date is less then 20th January 2023
   1. select count(1) from dbo.Event where eventTime< '2023-01-20' -> 450
3. find the row where event date is grater then 31st December 2023
   1. select count(1) from dbo.Event where eventTime> '2023-12-31' -> 93
4. The percentage of dirty data is (450+93) / 5588440 \* 100 = .0097 % which is negligible.

**Action:**

1. Need to delete the dirty data with below query.
   1. delete from  dbo.Event  where eventTime> '2023-12-31' or eventTime< '2023-01-20'
2. Do we want to keep dirty data for the future analysis? If yes, need to execute below query before **#1** action
   1. INSERT INTO dbo.dirty\_event SELECT \* FROM dbo.Event where eventTime> '2023-12-31' or eventTime< '2023-01-20'