

# Using Approximate Aggregate Functions

Presto has a couple of [approximate aggregation functions](#), that give you significant performance improvements, but with some errors. For example, by using `approx_distinct()` function, you can get an approximation of `COUNT(DISTINCT x)` with a standard error of 2.3%. The following example gives an approximate count of the previous day's unique users.

```
SELECT
  approx_distinct(user_id)
FROM
  access
WHERE
  TD_TIME_RANGE(time,
    TD_TIME_ADD(TD_SCHEDULED_TIME(), '-1d', 'PDT'),
    TD_SCHEDULED_TIME())
```