Dashboard Project : **Analysis of Users at Yammer Platform.**

Datasets:tutorial.Yammer events table and tutorial.Yammer users table from Mode studio**.**

Skills: SQL ,data visuaization .

Hypothesis:

- Analyze Users
- Which language do they use?
- How many companies are in the database?
- Which is the company with the most users?

SELECT DISTINCT language,COUNT(*) AS number_of_users

FROM tutorial.yammer_users

GROUP BY language

ORDER BY language;

- How many companies are in the database?
- Which is the company with the most users?

SELECT COUNT(*)

company_id

FROM tutorial.yammer_events AS events

JOIN tutorial.yammer_users AS users

ON events.user_id = users.user_id;

```
SELECT

    company_id,

    COUNT(DISTINCT events.user_id) AS company_with_most_users

FROM tutorial.yammer_events AS events

JOIN tutorial.yammer_users AS users

ON events.user_id = users.user_id

GROUP BY company_id

ORDER BY company_with_most_users DESC

LIMIT 1;
```

Analyze Events

- From which location are most of the events?
- Which are the most frequent events?

```
SELECT

    events.location,

    events.event_type,

    COUNT(events.event_type) AS location_with_most_event

FROM tutorial.yammer_events AS events

JOIN tutorial.yammer_users AS users

ON events.user_id = users.user_id

GROUP BY events.location, events.event_type

ORDER BY location_with_most_event DESC;
```

- How many events are there per day?

```
SELECT

    DATE(events.occurred_at) AS time_of_event,

    COUNT(*) AS event_count_per_day

FROM tutorial.yammer_events AS events

GROUP BY DATE(events.occurred_at)

ORDER BY time_of_event,event_count_per_day;
```

Analyze Users and Events

- Which company has the most logins?

```
SELECT

    COUNT(events.event_name) AS company_with_most_logins,

    events.event_name,

    users.company_id

FROM tutorial.yammer_events AS events

JOIN tutorial.yammer_users AS users

ON events.user_id = users.user_id

GROUP BY events.event_name,users.company_id

ORDER BY company_with_most_logins DESC

LIMIT 10;
```

- How many interactions are there daily via mobile devices?

```
SELECT

    DATE(occurred_at) AS interaction_date,

    device,
```

```
    COUNT(*) AS daily_interaction_with_mobile_device

FROM tutorial.yammer_events

WHERE device IN ('iphone 4s', 'iphone 5s', 'ipad mini', 'kindle fire','htc one','amazon fire
phone','ipad air','mac mini',

'nexus 10','nexus 5','nexus 7','nokia lumia 635','samsung galaxy tablet','samsung galaxy
note','samsung galaxy s4')

GROUP BY DATE(occurred_at), device

ORDER BY interaction_date, device,daily_interaction_with_mobile_device DESC;
```

- What type of devices are used?

```
SELECT DISTINCT device
FROM tutorial.yammer_events
ORDER BY device;
```