The dataset describes the ZOOM meetings scheduled in December 2022. Each meeting is created by an organizer who invites other users. The ***dim_meetings*** table describes the meetings and their organizers, while the ***fact_participations*** table describes the persons invited and whether they accept the invitation or not.

The attributes of the two tables are :

- fact_participations (**meeting_id, participant_id**, status)
- dim_meetings (**meeting_id**, organizer_id, start_timestamp, end_timestamp)

fact_participations :
meeting_id: the identifier of the meeting
participant_id: the identifier of the user invited to participate in the meeting
status: the confirmation status of the user invited, whether he confirms or not.

dim_meetings :
meeting_id: the identifier of the meeting
organizer_id: the identifier of the organizer
start_timestamp: the scheduled start time of the meeting
end_timestamp: the scheduled end time of the meeting

SQL Questions

Easy Organizer and invited

- Find the number of users who organized a meeting and who were invited to another meeting (regardless of the timestamp of the meeting)

Medium Organizer and invited at the same time

- Find the number of users who organized a meeting and who were invited to another meeting whose timestamp overlaps with the organized meeting timestamp.

Medium Three consecutive days

- Find the number of users invited to meetings on three consecutive days

Hard Wrong confirmations

- Find the participant_id of the users invited to overlapped meetings and who have confirmed their participation in at least two disjoint meetings.

Hints

1) We have 91 users who are organizers and invited
2) The count is 38
3) We have 45 users that have meetings on three consecutive days
4) We find 3 users