# Data and Query processing

* Data summaries will be produced by an EC2 instance every day, summarizing data into daily stats
* Worker then will run on the server at midnight / early morning to evaluate all the query groups assigned to participants against this produced summarized data

## Content assigning

* When a query group has been evaluated to true, then a new content group is assigned to a participant and a notification is sent out
  + When a query group has been evaluated to true for 7 consecutive days, then a new notification is sent out and a new content group is randomly assigned
  + When a query has been evaluated to false again, then it requires at least 2 consecutive days of “false” evaluations, followed by a “true” evaluation for a notification to be sent out and a new content group to be assigned if there is one
    - When there is no more content groups to assign, a random already assigned content group is selected and included in the notification
* Any content group that is active can be assigned to a participant
* Content groups that are not active must be removed from the participants
* If a query group is unassigned, then a researcher has a choice whether to remove a content group from the participants or not