# **Scrum Report 11/06**

**Have we talked to the client recently? When are we meeting with them next?**

* Since we meet with our client every other week, we did not meet them this week. We will meet with our client next week. However, we did send an email to our client to update about what we did this week.

**What have we worked on?**

* We analyzed two attributes, which are the completion rate (“Action”column) and the days and time when each user opens the notification.
* We focused on the users who have a completion rate of 100 and found the hour time on each day of the week for each user when they open the notification and complete 100% of the contents.

**How did we do this:**

1. Subtract all the users who have a completion rate of “100”
2. Under the condition of completion rate equal to “100”, create a list of the days and the hour time about when they opened the notification for each user, as shown in the ‘total\_num’column in the screenshot below:

A screenshot of text

Description automatically generated

(In the ‘total\_num’column, the number “314”, for example, means that User 21 opened the notification on Wednesday-represented as “3”, at 14:00, or 2 pm.)

1. List out the frequency for the time when each user opened the notification on each day of the week, as shown in the ‘every\_day\_freq’column in the screenshot below:

A picture containing text, receipt

Description automatically generated

(In the ‘every\_day\_freq’column, (116,2) means that User 21 opened the notification at 16:00, or 4pm, on Monday twice. For User 38, you can see some empty ‘[ ]’in it. This means that for other days of the week except Friday, this user did not 100% complete any article after opening the notifications.)

1. We looked at the frequency mentioned above, which indicates how many times did this user open the notification at a specific hour time on a specific day. We then decided that the hour time with the highest frequency for each day of the week should be the optimal time to send the user the notification.

Table

Description automatically generated

(For example, for User 21, we saved ‘16’ for Monday. This means that we suggest sending the notification to User 21 at 16:00, i.e. 4pm. We chose ‘16’ because, in the last screenshot, we found that ‘116’ has the highest frequency for this user, where ‘1’indicates Monday and ‘16’ indicates 16:00.)

**What will we be working on next?**

* To fill the 'nan' values for every user, which means to find the optimal, we will go through the time when each user opened the notification but with a different completion rate.

**Have we run into any issues? Do we need help?**

* Based on our database, on each day of the week, each user opened notifications at different hour time of the day. Thus, we chose the optimal hour time for each using the time with the highest frequency of that user opening the notification.
* This logic of decision making may possibly eliminate some useful information about which time is the optimal notification sending time.
* Thus, we need to discuss with our client to see whether we should keep all the possible choices of the optimal notification sending time.
* After the discussion with our project manager, we have sent an email to our client to see his preference.