

# Beiwe Participation Update as of: 2020-06-15

## Introduction

The following presentation is a summary of the Beiwe data using two main datastreams as proxies for participation:

1. survey data - proxy for active participation
2. accelerometer data - proxy for passive participation

## Survey Data

### "Daily" Surveys

These surveys are not sent out every day, but for lack of a better term, that is what they will be referred to.

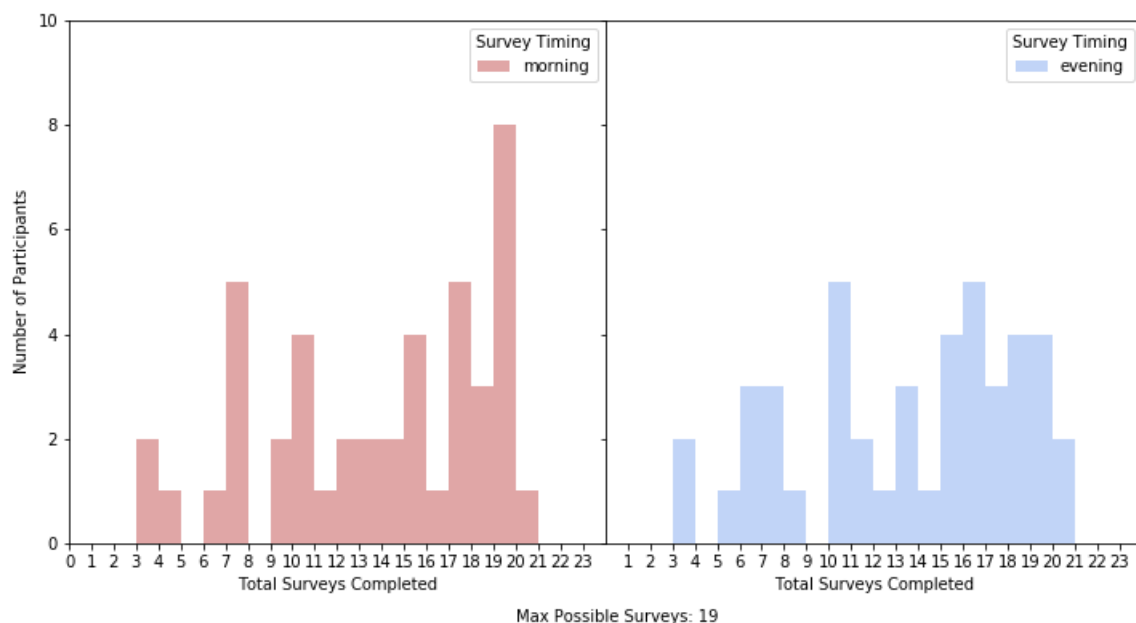


Figure 1.1: Histogram showing the proportion of surveys submitted for (left) morning and (right) evening timestamps.

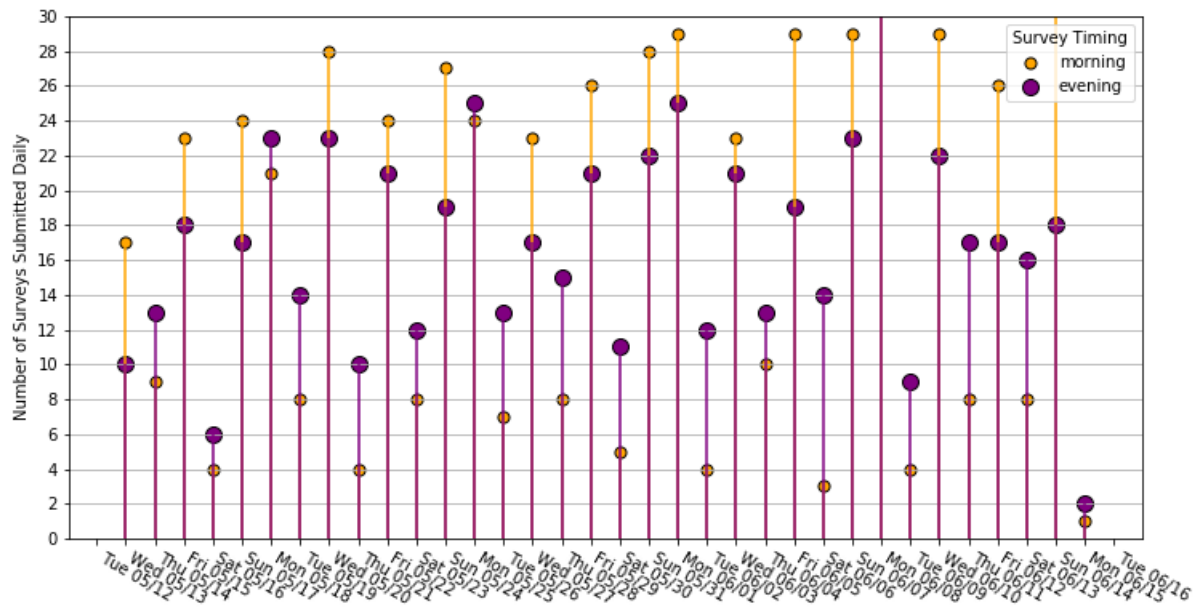


Figure 1.2: Time series showing the number of morning and evening surveys submitted by day.

## Weekly Surveys

These surveys are administered every week on Sunday and ask participants to recount how they felt during the week. We show similar plots to those in Figures 1.1 and 1.2.

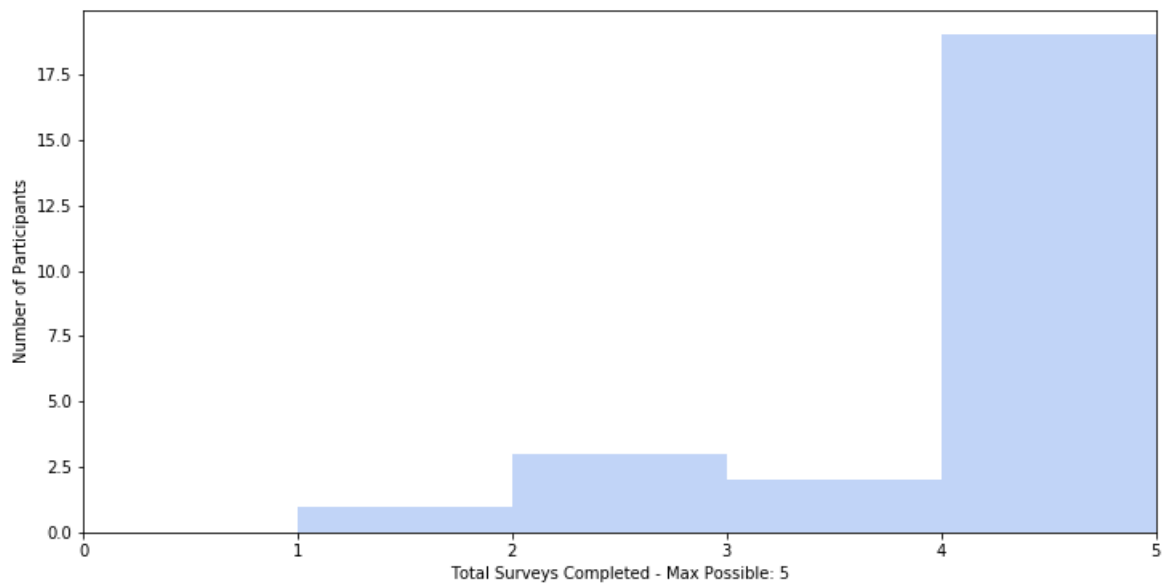
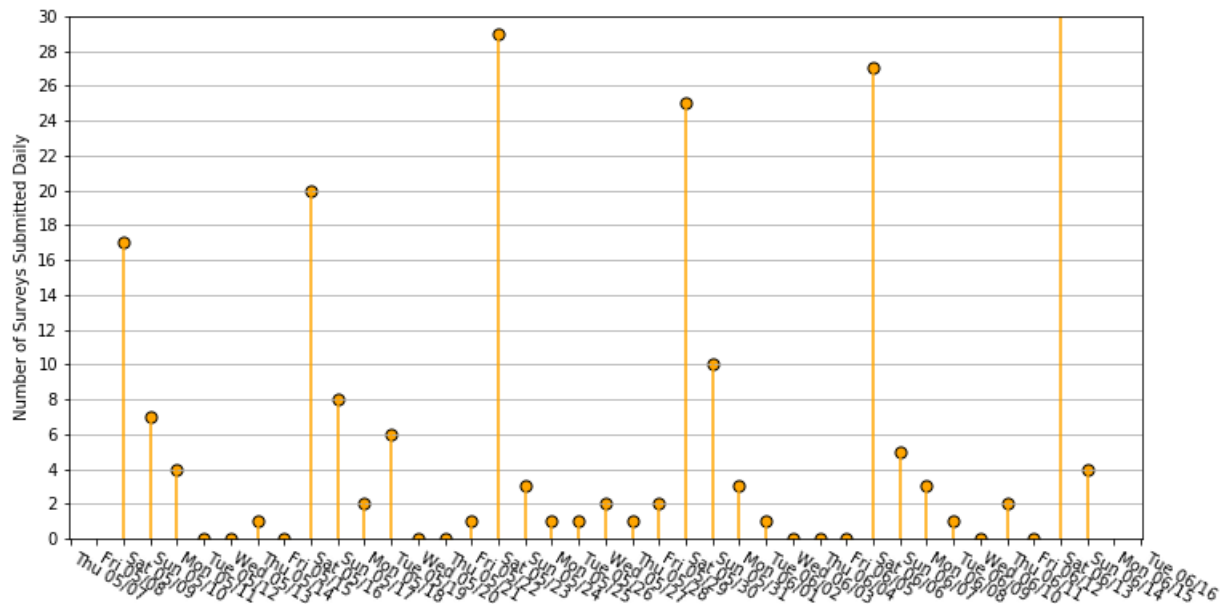


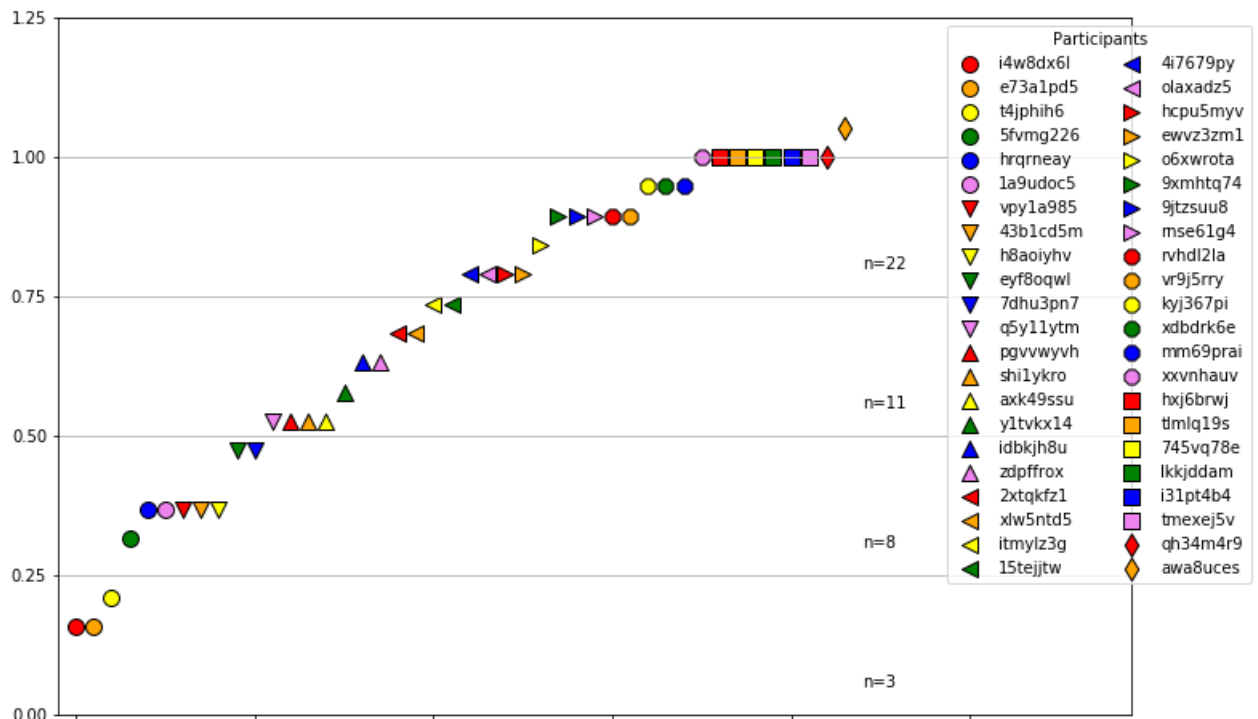
Figure 2.1: Histogram showing the proportion of surveys submitted for weekly timestamps.



**Figure 2.2: Time series showing the number of weekly surveys submitted by day. Surveys remain available until filled out, so participants might not have filled out the survey on the day it was administered - hence the scatter.**

## Individual Surveys

Now we take a closer look at the individuals and how they have participated throughout the study up to this point. We start by looking at how all individuals have participated thus far and then look at those that have submitted less than 25% of the maximum possible surveys.



**Figure 3.1: Participation grouped by quartile for the morning survey submission.**

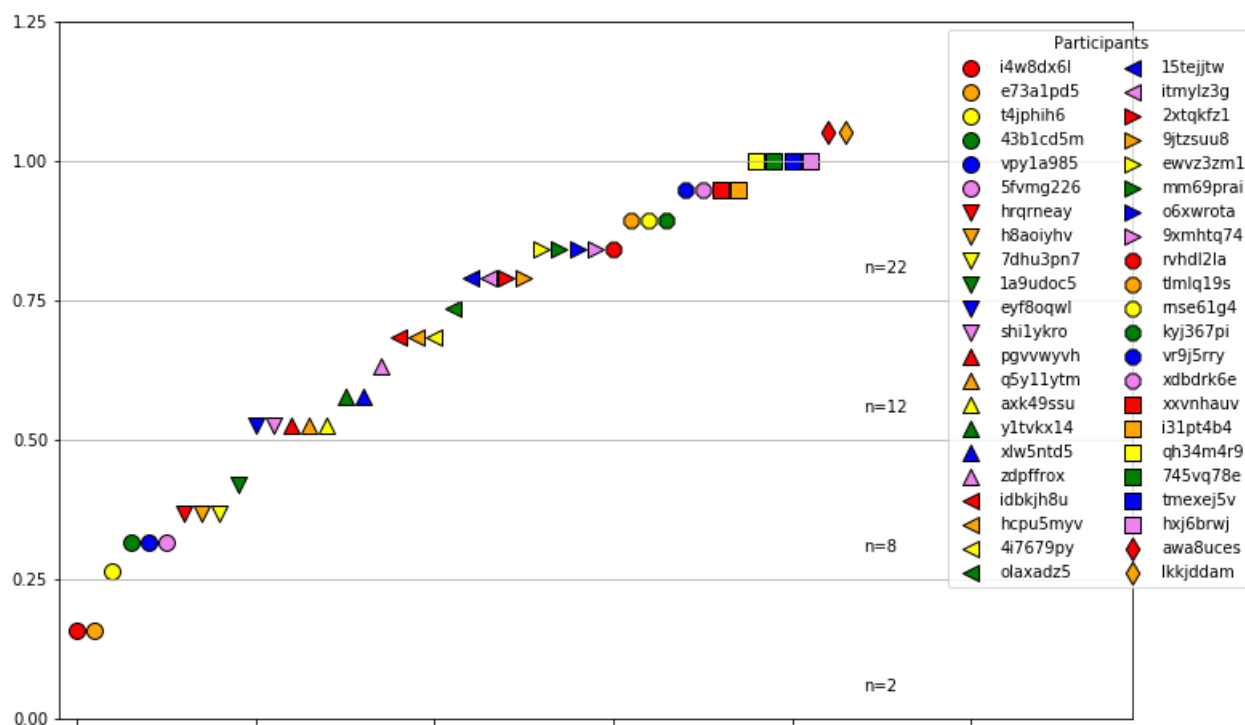


Figure 3.2: Participation grouped by quartile for the evening survey submission.

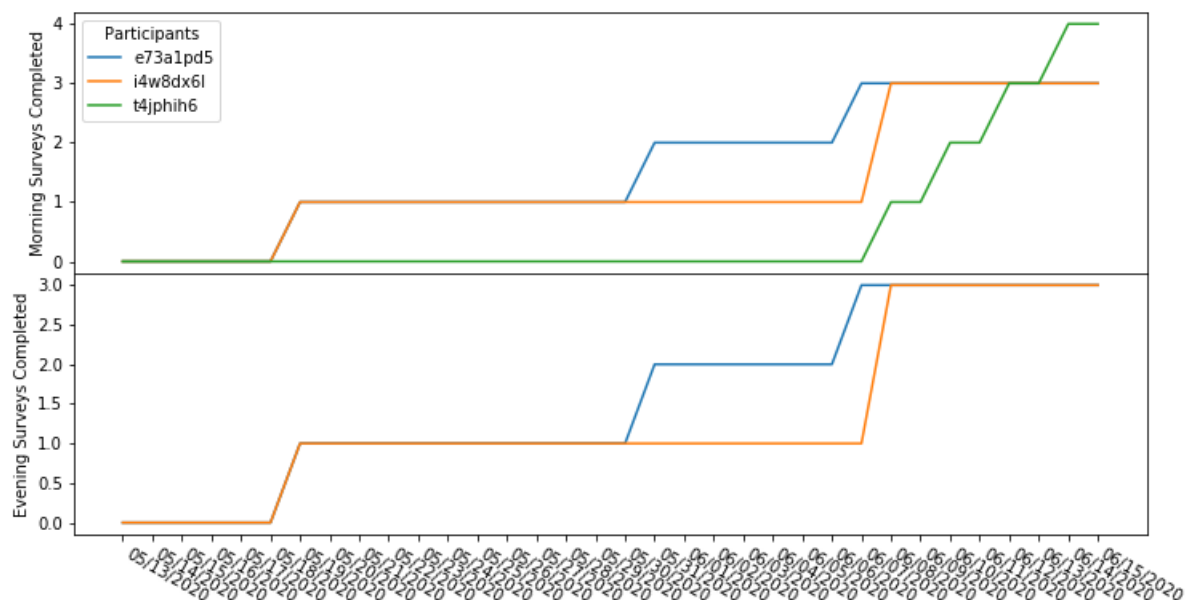
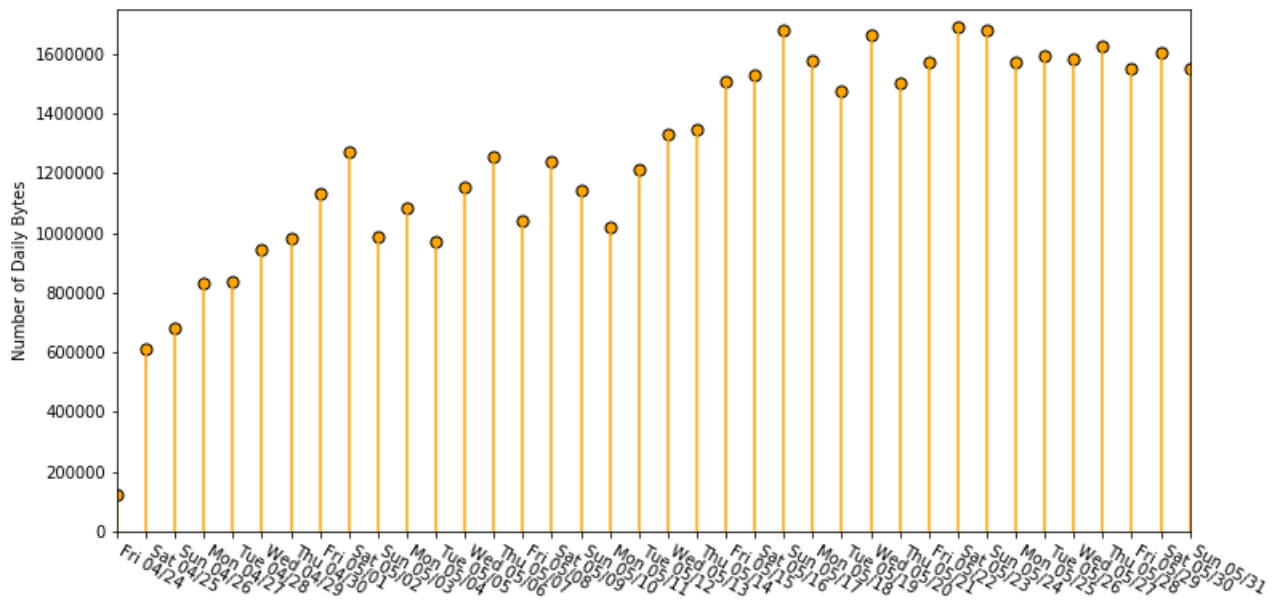


Figure 3.3: Participants with the worst number of submissions (less than 25% of the maximum possible).

## Accelerometer Data



**Figure 3.1: Histogram showing the proportion of surveys submitted for (left) morning and (right) evening timestamps.**