

Bellabeat Report

Fikayo

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R Markdown

Summary

Bellabeat is a high-tech manufacturer of health-focused products for women. Bellabeat is a successful small company, but they have the potential to become a larger player in the global smart device market. Urška Sršen, cofounder and Chief Creative Officer of Bellabeat, believes that analyzing smart device fitness data could help unlock new growth opportunities for the company.

Phase 1: ASK

Objectives

Identify business task

- Business questions to be answered are:
 - What are some trends in smart device usage?
 - How could these trends apply to Bellabeat customers?
 - How could these trends help influence Bellabeat marketing strategy?
- These questions will be used to assess and identify potential opportunities for growth for the company. Likewise, recommendations for the Bellabeat marketing strategy improvement based on trends in smart device usage should be determined. Based on these factors, the key business task is, therefore:
- To identify trends in how consumers use non-Bellabeat smart devices to apply insights into Bellabeat's marketing strategy.

Consider key stakeholders

- Urška Sršen - Bellabeat co-founder and Chief Creative Officer
- Sando Mur - Bellabeat co-founder and a key member of the Bellabeat executive team
- Bellabeat Marketing Analytics team

Phase 2: PREPARE

Objectives

What dataset is to be used

For this project, I will use FitBit Fitness Tracker data collected from Kaggle.com.

Determine data format

The dataset downloaded from Kaggle is stored in long format as opposed to wide format.

Determine the credibility of data

The data is public data from FitBit Fitness Tracker Data. It's a dataset from thirty Fitbit users that includes a minute-level output for physical activity, heart rate, and sleep monitoring. It's a good database segmented in several tables with different aspects of the data of the device with lots of details about user behavior. Due to the limitation of size (30 users) and no demographic information being available, we could potentially have sampling bias. Likewise, we are not sure if the sample is representative of the population as a whole. Another problem we could encounter is that the dataset is not current, having last been updated over a year ago, and also the duration of the survey is just two months long, which means, any possible insight would be based on a very short sample time.

The dataset for analysis is stored in CSV format with hundreds of rows in 18 CSV files.

Phase 3: PROCESS

Objectives

Tools used

For this project, the analysis will be conducted in R due to its ease in handling big data, its accessibility, and its ability to create data visualization and to easily share my results with stakeholders.

Import datasets

Due to the small sample size, we won't consider for this analysis the Weight (8 Users) and heart rate (7 users) tables, but will rather focus on using only the daily activity file and the sleep file. To preview our dataset, selected data frames are created and the summary of each column is checked. To begin, we have to import the necessary libraries and install the necessary packages for the analysis.

```
install.packages('tidyverse')

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.2'
## (as 'lib' is unspecified)
install.packages('here')

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.2'
## (as 'lib' is unspecified)
install.packages('janitor')

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.2'
## (as 'lib' is unspecified)
install.packages('lubridate')

## Installing package into '/cloud/lib/x86_64-pc-linux-gnu-library/4.2'
## (as 'lib' is unspecified)
library(tidyverse)

## -- Attaching packages ----- tidyverse 1.3.1 --
## v ggplot2 3.3.6      v purrr   0.3.4
## v tibble  3.1.7      v dplyr   1.0.9
## v tidyr   1.2.0      v stringr 1.4.0
## v readr   2.1.2      v forcats 0.5.1

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()      masks stats::lag()
```

```
library(dplyr)
library(ggplot2)
library(tidyr)
library(lubridate)
```

```
##
## Attaching package: 'lubridate'
## The following objects are masked from 'package:base':
##
##      date, intersect, setdiff, union
```

```
library(here)
```

```
## here() starts at /cloud/project
```

```
library(skimr)
library(janitor)
```

```
##
## Attaching package: 'janitor'
## The following objects are masked from 'package:stats':
##
##      chisq.test, fisher.test
```

```
library(ggplot)
library(ggpubr)
```

The datasets that are gonna be used for analysis are imported. Then they are stored in separate data frames called `daily_activity` and `sleep_day` respectively.

```
daily_activity <- read.csv("dailyActivity_merged.csv")
sleep_day <- read.csv("sleepDay_merged.csv")
```

We then preview the datasets by showing a tibble of both data frames. ##### Preview datasets

```
head(daily_activity)
```

```
##           Id ActivityDate TotalSteps TotalDistance TrackerDistance
## 1 1503960366 4/12/2016      13162          8.50          8.50
## 2 1503960366 4/13/2016      10735          6.97          6.97
## 3 1503960366 4/14/2016      10460          6.74          6.74
## 4 1503960366 4/15/2016       9762          6.28          6.28
## 5 1503960366 4/16/2016      12669          8.16          8.16
## 6 1503960366 4/17/2016       9705          6.48          6.48
##   LoggedActivitiesDistance VeryActiveDistance ModeratelyActiveDistance
## 1                        0                1.88                    0.55
## 2                        0                1.57                    0.69
## 3                        0                2.44                    0.40
## 4                        0                2.14                    1.26
## 5                        0                2.71                    0.41
## 6                        0                3.19                    0.78
##   LightActiveDistance SedentaryActiveDistance VeryActiveMinutes
## 1                6.06                0                25
## 2                4.71                0                21
## 3                3.91                0                30
```

```
## 4          2.83          0          29
## 5          5.04          0          36
## 6          2.51          0          38
##   FairlyActiveMinutes LightlyActiveMinutes SedentaryMinutes Calories
## 1          13          328          728      1985
## 2          19          217          776      1797
## 3          11          181         1218      1776
## 4          34          209          726      1745
## 5          10          221          773      1863
## 6          20          164          539      1728
```

```
str(daily_activity)
```

```
## 'data.frame':   940 obs. of  15 variables:
## $ Id          : num  1.5e+09 1.5e+09 1.5e+09 1.5e+09 1.5e+09 ...
## $ ActivityDate : chr   "4/12/2016" "4/13/2016" "4/14/2016" "4/15/2016" ...
## $ TotalSteps   : int  13162 10735 10460 9762 12669 9705 13019 15506 10544 9819 ...
## $ TotalDistance : num  8.5 6.97 6.74 6.28 8.16 ...
## $ TrackerDistance : num  8.5 6.97 6.74 6.28 8.16 ...
## $ LoggedActivitiesDistance: num  0 0 0 0 0 0 0 0 0 0 ...
## $ VeryActiveDistance : num  1.88 1.57 2.44 2.14 2.71 ...
## $ ModeratelyActiveDistance: num  0.55 0.69 0.4 1.26 0.41 ...
## $ LightActiveDistance : num  6.06 4.71 3.91 2.83 5.04 ...
## $ SedentaryActiveDistance : num  0 0 0 0 0 0 0 0 0 0 ...
## $ VeryActiveMinutes : int  25 21 30 29 36 38 42 50 28 19 ...
## $ FairlyActiveMinutes : int  13 19 11 34 10 20 16 31 12 8 ...
## $ LightlyActiveMinutes : int  328 217 181 209 221 164 233 264 205 211 ...
## $ SedentaryMinutes : int  728 776 1218 726 773 539 1149 775 818 838 ...
## $ Calories : int  1985 1797 1776 1745 1863 1728 1921 2035 1786 1775 ...
```

```
head(sleep_day)
```

```
##           Id           SleepDay TotalSleepRecords TotalMinutesAsleep
## 1 1503960366 4/12/2016 12:00:00 AM                1                327
## 2 1503960366 4/13/2016 12:00:00 AM                2                384
## 3 1503960366 4/15/2016 12:00:00 AM                1                412
## 4 1503960366 4/16/2016 12:00:00 AM                2                340
## 5 1503960366 4/17/2016 12:00:00 AM                1                700
## 6 1503960366 4/19/2016 12:00:00 AM                1                304
##   TotalTimeInBed
## 1              346
## 2              407
## 3              442
## 4              367
## 5              712
## 6              320
```

```
str(sleep_day)
```

```
## 'data.frame':   413 obs. of  5 variables:
## $ Id          : num  1.5e+09 1.5e+09 1.5e+09 1.5e+09 1.5e+09 ...
## $ SleepDay     : chr   "4/12/2016 12:00:00 AM" "4/13/2016 12:00:00 AM" "4/15/2016 12:00:00 AM" ...
## $ TotalSleepRecords : int  1 2 1 2 1 1 1 1 1 1 ...
## $ TotalMinutesAsleep: int  327 384 412 340 700 304 360 325 361 430 ...
## $ TotalTimeInBed : int  346 407 442 367 712 320 377 364 384 449 ...
```

Cleaning Process

To begin the cleaning process, both data frames are searched for duplicates.

```
sum(duplicated(daily_activity))
```

Removing Duplicates

```
## [1] 0
```

```
sum(duplicated(sleep_day))
```

```
## [1] 3
```

The result of the search shows that the data frame containing sleep data has some duplicates, so we remove the empty rows to clean the data.

```
sleep_day <- sleep_day %>%  
  distinct() %>%  
  drop_na()
```

Then we check again to confirm that the empty rows have been dropped.

```
sum(duplicated(sleep_day))
```

```
## [1] 0
```

Renaming Columns To help keep formatting clean, and to ensure our column names align with naming conventions, we'll rename all columns to lowercase format.

```
##           id activity_date total_steps total_distance tracker_distance  
## 1  1503960366    4/12/2016      13162           8.50           8.50  
## 2  1503960366    4/13/2016      10735           6.97           6.97  
## 3  1503960366    4/14/2016      10460           6.74           6.74  
## 4  1503960366    4/15/2016       9762           6.28           6.28  
## 5  1503960366    4/16/2016      12669           8.16           8.16  
## 6  1503960366    4/17/2016       9705           6.48           6.48  
## 7  1503960366    4/18/2016      13019           8.59           8.59  
## 8  1503960366    4/19/2016      15506           9.88           9.88  
## 9  1503960366    4/20/2016      10544           6.68           6.68  
## 10 1503960366    4/21/2016       9819           6.34           6.34  
## 11 1503960366    4/22/2016      12764           8.13           8.13  
## 12 1503960366    4/23/2016      14371           9.04           9.04  
## 13 1503960366    4/24/2016      10039           6.41           6.41  
## 14 1503960366    4/25/2016      15355           9.80           9.80  
## 15 1503960366    4/26/2016      13755           8.79           8.79  
## 16 1503960366    4/27/2016      18134          12.21          12.21  
## 17 1503960366    4/28/2016      13154           8.53           8.53  
## 18 1503960366    4/29/2016      11181           7.15           7.15  
## 19 1503960366    4/30/2016      14673           9.25           9.25  
## 20 1503960366    5/1/2016      10602           6.81           6.81  
## 21 1503960366    5/2/2016      14727           9.71           9.71  
## 22 1503960366    5/3/2016      15103           9.66           9.66  
## 23 1503960366    5/4/2016      11100           7.15           7.15  
## 24 1503960366    5/5/2016      14070           8.90           8.90  
## 25 1503960366    5/6/2016      12159           8.03           8.03  
## 26 1503960366    5/7/2016      11992           7.71           7.71
```

## 27	1503960366	5/8/2016	10060	6.58	6.58
## 28	1503960366	5/9/2016	12022	7.72	7.72
## 29	1503960366	5/10/2016	12207	7.77	7.77
## 30	1503960366	5/11/2016	12770	8.13	8.13
## 31	1503960366	5/12/2016	0	0.00	0.00
## 32	1624580081	4/12/2016	8163	5.31	5.31
## 33	1624580081	4/13/2016	7007	4.55	4.55
## 34	1624580081	4/14/2016	9107	5.92	5.92
## 35	1624580081	4/15/2016	1510	0.98	0.98
## 36	1624580081	4/16/2016	5370	3.49	3.49
## 37	1624580081	4/17/2016	6175	4.06	4.06
## 38	1624580081	4/18/2016	10536	7.41	7.41
## 39	1624580081	4/19/2016	2916	1.90	1.90
## 40	1624580081	4/20/2016	4974	3.23	3.23
## 41	1624580081	4/21/2016	6349	4.13	4.13
## 42	1624580081	4/22/2016	4026	2.62	2.62
## 43	1624580081	4/23/2016	8538	5.55	5.55
## 44	1624580081	4/24/2016	6076	3.95	3.95
## 45	1624580081	4/25/2016	6497	4.22	4.22
## 46	1624580081	4/26/2016	2826	1.84	1.84
## 47	1624580081	4/27/2016	8367	5.44	5.44
## 48	1624580081	4/28/2016	2759	1.79	1.79
## 49	1624580081	4/29/2016	2390	1.55	1.55
## 50	1624580081	4/30/2016	6474	4.30	4.30
## 51	1624580081	5/1/2016	36019	28.03	28.03
## 52	1624580081	5/2/2016	7155	4.93	4.93
## 53	1624580081	5/3/2016	2100	1.37	1.37
## 54	1624580081	5/4/2016	2193	1.43	1.43
## 55	1624580081	5/5/2016	2470	1.61	1.61
## 56	1624580081	5/6/2016	1727	1.12	1.12
## 57	1624580081	5/7/2016	2104	1.37	1.37
## 58	1624580081	5/8/2016	3427	2.23	2.23
## 59	1624580081	5/9/2016	1732	1.13	1.13
## 60	1624580081	5/10/2016	2969	1.93	1.93
## 61	1624580081	5/11/2016	3134	2.04	2.04
## 62	1624580081	5/12/2016	2971	1.93	1.93
## 63	1644430081	4/12/2016	10694	7.77	7.77
## 64	1644430081	4/13/2016	8001	5.82	5.82
## 65	1644430081	4/14/2016	11037	8.02	8.02
## 66	1644430081	4/15/2016	5263	3.83	3.83
## 67	1644430081	4/16/2016	15300	11.12	11.12
## 68	1644430081	4/17/2016	8757	6.37	6.37
## 69	1644430081	4/18/2016	7132	5.19	5.19
## 70	1644430081	4/19/2016	11256	8.18	8.18
## 71	1644430081	4/20/2016	2436	1.77	1.77
## 72	1644430081	4/21/2016	1223	0.89	0.89
## 73	1644430081	4/22/2016	3673	2.67	2.67
## 74	1644430081	4/23/2016	6637	4.83	4.83
## 75	1644430081	4/24/2016	3321	2.41	2.41
## 76	1644430081	4/25/2016	3580	2.60	2.60
## 77	1644430081	4/26/2016	9919	7.21	7.21
## 78	1644430081	4/27/2016	3032	2.20	2.20
## 79	1644430081	4/28/2016	9405	6.84	6.84
## 80	1644430081	4/29/2016	3176	2.31	2.31

## 81	1644430081	4/30/2016	18213	13.24	13.24
## 82	1644430081	5/1/2016	6132	4.46	4.46
## 83	1644430081	5/2/2016	3758	2.73	2.73
## 84	1644430081	5/3/2016	12850	9.34	9.34
## 85	1644430081	5/4/2016	2309	1.68	1.68
## 86	1644430081	5/5/2016	4363	3.19	3.19
## 87	1644430081	5/6/2016	9787	7.12	7.12
## 88	1644430081	5/7/2016	13372	9.72	9.72
## 89	1644430081	5/8/2016	6724	4.89	4.89
## 90	1644430081	5/9/2016	6643	4.83	4.83
## 91	1644430081	5/10/2016	9167	6.66	6.66
## 92	1644430081	5/11/2016	1329	0.97	0.97
## 93	1844505072	4/12/2016	6697	4.43	4.43
## 94	1844505072	4/13/2016	4929	3.26	3.26
## 95	1844505072	4/14/2016	7937	5.25	5.25
## 96	1844505072	4/15/2016	3844	2.54	2.54
## 97	1844505072	4/16/2016	3414	2.26	2.26
## 98	1844505072	4/17/2016	4525	2.99	2.99
## 99	1844505072	4/18/2016	4597	3.04	3.04
## 100	1844505072	4/19/2016	197	0.13	0.13
## 101	1844505072	4/20/2016	8	0.01	0.01
## 102	1844505072	4/21/2016	8054	5.32	5.32
## 103	1844505072	4/22/2016	5372	3.55	3.55
## 104	1844505072	4/23/2016	3570	2.36	2.36
## 105	1844505072	4/24/2016	0	0.00	0.00
## 106	1844505072	4/25/2016	0	0.00	0.00
## 107	1844505072	4/26/2016	0	0.00	0.00
## 108	1844505072	4/27/2016	4	0.00	0.00
## 109	1844505072	4/28/2016	6907	4.57	4.57
## 110	1844505072	4/29/2016	4920	3.25	3.25
## 111	1844505072	4/30/2016	4014	2.67	2.67
## 112	1844505072	5/1/2016	2573	1.70	1.70
## 113	1844505072	5/2/2016	0	0.00	0.00
## 114	1844505072	5/3/2016	4059	2.68	2.68
## 115	1844505072	5/4/2016	2080	1.37	1.37
## 116	1844505072	5/5/2016	2237	1.48	1.48
## 117	1844505072	5/6/2016	44	0.03	0.03
## 118	1844505072	5/7/2016	0	0.00	0.00
## 119	1844505072	5/8/2016	0	0.00	0.00
## 120	1844505072	5/9/2016	0	0.00	0.00
## 121	1844505072	5/10/2016	0	0.00	0.00
## 122	1844505072	5/11/2016	0	0.00	0.00
## 123	1844505072	5/12/2016	0	0.00	0.00
## 124	1927972279	4/12/2016	678	0.47	0.47
## 125	1927972279	4/13/2016	356	0.25	0.25
## 126	1927972279	4/14/2016	2163	1.50	1.50
## 127	1927972279	4/15/2016	980	0.68	0.68
## 128	1927972279	4/16/2016	0	0.00	0.00
## 129	1927972279	4/17/2016	0	0.00	0.00
## 130	1927972279	4/18/2016	244	0.17	0.17
## 131	1927972279	4/19/2016	0	0.00	0.00
## 132	1927972279	4/20/2016	0	0.00	0.00
## 133	1927972279	4/21/2016	0	0.00	0.00
## 134	1927972279	4/22/2016	149	0.10	0.10

## 135	1927972279	4/23/2016	2945	2.04	2.04
## 136	1927972279	4/24/2016	2090	1.45	1.45
## 137	1927972279	4/25/2016	152	0.11	0.11
## 138	1927972279	4/26/2016	3761	2.60	2.60
## 139	1927972279	4/27/2016	0	0.00	0.00
## 140	1927972279	4/28/2016	1675	1.16	1.16
## 141	1927972279	4/29/2016	0	0.00	0.00
## 142	1927972279	4/30/2016	0	0.00	0.00
## 143	1927972279	5/1/2016	2704	1.87	1.87
## 144	1927972279	5/2/2016	3790	2.62	2.62
## 145	1927972279	5/3/2016	1326	0.92	0.92
## 146	1927972279	5/4/2016	1786	1.24	1.24
## 147	1927972279	5/5/2016	0	0.00	0.00
## 148	1927972279	5/6/2016	2091	1.45	1.45
## 149	1927972279	5/7/2016	1510	1.04	1.04
## 150	1927972279	5/8/2016	0	0.00	0.00
## 151	1927972279	5/9/2016	0	0.00	0.00
## 152	1927972279	5/10/2016	0	0.00	0.00
## 153	1927972279	5/11/2016	0	0.00	0.00
## 154	1927972279	5/12/2016	0	0.00	0.00
## 155	2022484408	4/12/2016	11875	8.34	8.34
## 156	2022484408	4/13/2016	12024	8.50	8.50
## 157	2022484408	4/14/2016	10690	7.50	7.50
## 158	2022484408	4/15/2016	11034	8.03	8.03
## 159	2022484408	4/16/2016	10100	7.09	7.09
## 160	2022484408	4/17/2016	15112	11.40	11.40
## 161	2022484408	4/18/2016	14131	10.07	10.07
## 162	2022484408	4/19/2016	11548	8.53	8.53
## 163	2022484408	4/20/2016	15112	10.67	10.67
## 164	2022484408	4/21/2016	12453	8.74	8.74
## 165	2022484408	4/22/2016	12954	9.33	9.33
## 166	2022484408	4/23/2016	6001	4.21	4.21
## 167	2022484408	4/24/2016	13481	10.28	10.28
## 168	2022484408	4/25/2016	11369	8.01	8.01
## 169	2022484408	4/26/2016	10119	7.19	7.19
## 170	2022484408	4/27/2016	10159	7.13	7.13
## 171	2022484408	4/28/2016	10140	7.12	7.12
## 172	2022484408	4/29/2016	10245	7.19	7.19
## 173	2022484408	4/30/2016	18387	12.91	12.91
## 174	2022484408	5/1/2016	10538	7.40	7.40
## 175	2022484408	5/2/2016	10379	7.29	7.29
## 176	2022484408	5/3/2016	12183	8.74	8.74
## 177	2022484408	5/4/2016	11768	8.29	8.29
## 178	2022484408	5/5/2016	11895	8.35	8.35
## 179	2022484408	5/6/2016	10227	7.18	7.18
## 180	2022484408	5/7/2016	6708	4.71	4.71
## 181	2022484408	5/8/2016	3292	2.31	2.31
## 182	2022484408	5/9/2016	13379	9.39	9.39
## 183	2022484408	5/10/2016	12798	8.98	8.98
## 184	2022484408	5/11/2016	13272	9.32	9.32
## 185	2022484408	5/12/2016	9117	6.41	6.41
## 186	2026352035	4/12/2016	4414	2.74	2.74
## 187	2026352035	4/13/2016	4993	3.10	3.10
## 188	2026352035	4/14/2016	3335	2.07	2.07

## 189	2026352035	4/15/2016	3821	2.37	2.37
## 190	2026352035	4/16/2016	2547	1.58	1.58
## 191	2026352035	4/17/2016	838	0.52	0.52
## 192	2026352035	4/18/2016	3325	2.06	2.06
## 193	2026352035	4/19/2016	2424	1.50	1.50
## 194	2026352035	4/20/2016	7222	4.48	4.48
## 195	2026352035	4/21/2016	2467	1.53	1.53
## 196	2026352035	4/22/2016	2915	1.81	1.81
## 197	2026352035	4/23/2016	12357	7.71	7.71
## 198	2026352035	4/24/2016	3490	2.16	2.16
## 199	2026352035	4/25/2016	6017	3.73	3.73
## 200	2026352035	4/26/2016	5933	3.68	3.68
## 201	2026352035	4/27/2016	6088	3.77	3.77
## 202	2026352035	4/28/2016	6375	3.95	3.95
## 203	2026352035	4/29/2016	7604	4.71	4.71
## 204	2026352035	4/30/2016	4729	2.93	2.93
## 205	2026352035	5/1/2016	3609	2.28	2.28
## 206	2026352035	5/2/2016	7018	4.35	4.35
## 207	2026352035	5/3/2016	5992	3.72	3.72
## 208	2026352035	5/4/2016	6564	4.07	4.07
## 209	2026352035	5/5/2016	12167	7.54	7.54
## 210	2026352035	5/6/2016	8198	5.08	5.08
## 211	2026352035	5/7/2016	4193	2.60	2.60
## 212	2026352035	5/8/2016	5528	3.45	3.45
## 213	2026352035	5/9/2016	10685	6.62	6.62
## 214	2026352035	5/10/2016	254	0.16	0.16
## 215	2026352035	5/11/2016	8580	5.32	5.32
## 216	2026352035	5/12/2016	8891	5.51	5.51
## 217	2320127002	4/12/2016	10725	7.49	7.49
## 218	2320127002	4/13/2016	7275	4.90	4.90
## 219	2320127002	4/14/2016	3973	2.68	2.68
## 220	2320127002	4/15/2016	5205	3.51	3.51
## 221	2320127002	4/16/2016	5057	3.41	3.41
## 222	2320127002	4/17/2016	6198	4.18	4.18
## 223	2320127002	4/18/2016	6559	4.42	4.42
## 224	2320127002	4/19/2016	5997	4.04	4.04
## 225	2320127002	4/20/2016	7192	4.85	4.85
## 226	2320127002	4/21/2016	3404	2.29	2.29
## 227	2320127002	4/22/2016	5583	3.76	3.76
## 228	2320127002	4/23/2016	5079	3.42	3.42
## 229	2320127002	4/24/2016	4165	2.81	2.81
## 230	2320127002	4/25/2016	3588	2.42	2.42
## 231	2320127002	4/26/2016	3409	2.30	2.30
## 232	2320127002	4/27/2016	1715	1.16	1.16
## 233	2320127002	4/28/2016	1532	1.03	1.03
## 234	2320127002	4/29/2016	924	0.62	0.62
## 235	2320127002	4/30/2016	4571	3.08	3.08
## 236	2320127002	5/1/2016	772	0.52	0.52
## 237	2320127002	5/2/2016	3634	2.45	2.45
## 238	2320127002	5/3/2016	7443	5.02	5.02
## 239	2320127002	5/4/2016	1201	0.81	0.81
## 240	2320127002	5/5/2016	5202	3.51	3.51
## 241	2320127002	5/6/2016	4878	3.29	3.29
## 242	2320127002	5/7/2016	7379	4.97	4.97

## 243	2320127002	5/8/2016	5161	3.48	3.48
## 244	2320127002	5/9/2016	3090	2.08	2.08
## 245	2320127002	5/10/2016	6227	4.20	4.20
## 246	2320127002	5/11/2016	6424	4.33	4.33
## 247	2320127002	5/12/2016	2661	1.79	1.79
## 248	2347167796	4/12/2016	10113	6.83	6.83
## 249	2347167796	4/13/2016	10352	7.01	7.01
## 250	2347167796	4/14/2016	10129	6.70	6.70
## 251	2347167796	4/15/2016	10465	6.92	6.92
## 252	2347167796	4/16/2016	22244	15.08	15.08
## 253	2347167796	4/17/2016	5472	3.62	3.62
## 254	2347167796	4/18/2016	8247	5.45	5.45
## 255	2347167796	4/19/2016	6711	4.44	4.44
## 256	2347167796	4/20/2016	10999	7.27	7.27
## 257	2347167796	4/21/2016	10080	6.75	6.75
## 258	2347167796	4/22/2016	7804	5.16	5.16
## 259	2347167796	4/23/2016	16901	11.37	11.37
## 260	2347167796	4/24/2016	9471	6.26	6.26
## 261	2347167796	4/25/2016	9482	6.38	6.38
## 262	2347167796	4/26/2016	5980	3.95	3.95
## 263	2347167796	4/27/2016	11423	7.58	7.58
## 264	2347167796	4/28/2016	5439	3.60	3.60
## 265	2347167796	4/29/2016	42	0.03	0.03
## 266	2873212765	4/12/2016	8796	5.91	5.91
## 267	2873212765	4/13/2016	7618	5.12	5.12
## 268	2873212765	4/14/2016	7910	5.32	5.32
## 269	2873212765	4/15/2016	8482	5.70	5.70
## 270	2873212765	4/16/2016	9685	6.65	6.65
## 271	2873212765	4/17/2016	2524	1.70	1.70
## 272	2873212765	4/18/2016	7762	5.24	5.24
## 273	2873212765	4/19/2016	7948	5.37	5.37
## 274	2873212765	4/20/2016	9202	6.30	6.30
## 275	2873212765	4/21/2016	8859	5.98	5.98
## 276	2873212765	4/22/2016	7286	4.90	4.90
## 277	2873212765	4/23/2016	9317	6.35	6.35
## 278	2873212765	4/24/2016	6873	4.68	4.68
## 279	2873212765	4/25/2016	7373	4.95	4.95
## 280	2873212765	4/26/2016	8242	5.54	5.54
## 281	2873212765	4/27/2016	3516	2.36	2.36
## 282	2873212765	4/28/2016	7913	5.41	5.41
## 283	2873212765	4/29/2016	7365	4.95	4.95
## 284	2873212765	4/30/2016	8452	5.68	5.68
## 285	2873212765	5/1/2016	7399	4.97	4.97
## 286	2873212765	5/2/2016	7525	5.06	5.06
## 287	2873212765	5/3/2016	7412	4.98	4.98
## 288	2873212765	5/4/2016	8278	5.56	5.56
## 289	2873212765	5/5/2016	8314	5.61	5.61
## 290	2873212765	5/6/2016	7063	4.75	4.75
## 291	2873212765	5/7/2016	4940	3.38	3.38
## 292	2873212765	5/8/2016	8168	5.54	5.54
## 293	2873212765	5/9/2016	7726	5.19	5.19
## 294	2873212765	5/10/2016	8275	5.56	5.56
## 295	2873212765	5/11/2016	6440	4.33	4.33
## 296	2873212765	5/12/2016	7566	5.11	5.11

## 297	3372868164	4/12/2016	4747	3.24	3.24
## 298	3372868164	4/13/2016	9715	6.63	6.63
## 299	3372868164	4/14/2016	8844	6.03	6.03
## 300	3372868164	4/15/2016	7451	5.08	5.08
## 301	3372868164	4/16/2016	6905	4.73	4.73
## 302	3372868164	4/17/2016	8199	5.88	5.88
## 303	3372868164	4/18/2016	6798	4.64	4.64
## 304	3372868164	4/19/2016	7711	5.26	5.26
## 305	3372868164	4/20/2016	4880	3.33	3.33
## 306	3372868164	4/21/2016	8857	6.07	6.07
## 307	3372868164	4/22/2016	3843	2.62	2.62
## 308	3372868164	4/23/2016	7396	5.07	5.07
## 309	3372868164	4/24/2016	6731	4.59	4.59
## 310	3372868164	4/25/2016	5995	4.09	4.09
## 311	3372868164	4/26/2016	8283	5.79	5.79
## 312	3372868164	4/27/2016	7904	5.42	5.42
## 313	3372868164	4/28/2016	5512	3.76	3.76
## 314	3372868164	4/29/2016	9135	6.23	6.23
## 315	3372868164	4/30/2016	5250	3.58	3.58
## 316	3372868164	5/1/2016	3077	2.10	2.10
## 317	3977333714	4/12/2016	8856	5.98	5.98
## 318	3977333714	4/13/2016	10035	6.71	6.71
## 319	3977333714	4/14/2016	7641	5.11	5.11
## 320	3977333714	4/15/2016	9010	6.06	6.06
## 321	3977333714	4/16/2016	13459	9.00	9.00
## 322	3977333714	4/17/2016	10415	6.97	6.97
## 323	3977333714	4/18/2016	11663	7.80	7.80
## 324	3977333714	4/19/2016	12414	8.78	8.78
## 325	3977333714	4/20/2016	11658	7.83	7.83
## 326	3977333714	4/21/2016	6093	4.08	4.08
## 327	3977333714	4/22/2016	8911	5.96	5.96
## 328	3977333714	4/23/2016	12058	8.07	8.07
## 329	3977333714	4/24/2016	14112	10.00	10.00
## 330	3977333714	4/25/2016	11177	8.48	8.48
## 331	3977333714	4/26/2016	11388	7.62	7.62
## 332	3977333714	4/27/2016	7193	5.04	5.04
## 333	3977333714	4/28/2016	7114	4.88	4.88
## 334	3977333714	4/29/2016	10645	7.75	7.75
## 335	3977333714	4/30/2016	13238	9.20	9.20
## 336	3977333714	5/1/2016	10414	7.07	7.07
## 337	3977333714	5/2/2016	16520	11.05	11.05
## 338	3977333714	5/3/2016	14335	9.59	9.59
## 339	3977333714	5/4/2016	13559	9.44	9.44
## 340	3977333714	5/5/2016	12312	8.58	8.58
## 341	3977333714	5/6/2016	11677	8.28	8.28
## 342	3977333714	5/7/2016	11550	7.73	7.73
## 343	3977333714	5/8/2016	13585	9.09	9.09
## 344	3977333714	5/9/2016	14687	10.08	10.08
## 345	3977333714	5/10/2016	13072	8.78	8.78
## 346	3977333714	5/11/2016	746	0.50	0.50
## 347	4020332650	4/12/2016	8539	6.12	6.12
## 348	4020332650	4/13/2016	0	0.00	0.00
## 349	4020332650	4/14/2016	108	0.08	0.08
## 350	4020332650	4/15/2016	1882	1.35	1.35

## 351	4020332650	4/16/2016	1982	1.42	1.42
## 352	4020332650	4/17/2016	16	0.01	0.01
## 353	4020332650	4/18/2016	62	0.04	0.04
## 354	4020332650	4/19/2016	0	0.00	0.00
## 355	4020332650	4/20/2016	0	0.00	0.00
## 356	4020332650	4/21/2016	0	0.00	0.00
## 357	4020332650	4/22/2016	0	0.00	0.00
## 358	4020332650	4/23/2016	0	0.00	0.00
## 359	4020332650	4/24/2016	0	0.00	0.00
## 360	4020332650	4/25/2016	0	0.00	0.00
## 361	4020332650	4/26/2016	0	0.00	0.00
## 362	4020332650	4/27/2016	0	0.00	0.00
## 363	4020332650	4/28/2016	0	0.00	0.00
## 364	4020332650	4/29/2016	0	0.00	0.00
## 365	4020332650	4/30/2016	0	0.00	0.00
## 366	4020332650	5/1/2016	0	0.00	0.00
## 367	4020332650	5/2/2016	475	0.34	0.34
## 368	4020332650	5/3/2016	4496	3.22	3.22
## 369	4020332650	5/4/2016	10252	7.35	7.35
## 370	4020332650	5/5/2016	11728	8.43	8.43
## 371	4020332650	5/6/2016	4369	3.13	3.13
## 372	4020332650	5/7/2016	6132	4.40	4.40
## 373	4020332650	5/8/2016	5862	4.20	4.20
## 374	4020332650	5/9/2016	4556	3.27	3.27
## 375	4020332650	5/10/2016	5546	3.98	3.98
## 376	4020332650	5/11/2016	3689	2.65	2.65
## 377	4020332650	5/12/2016	590	0.42	0.42
## 378	4057192912	4/12/2016	5394	4.03	4.03
## 379	4057192912	4/13/2016	5974	4.47	4.47
## 380	4057192912	4/14/2016	0	0.00	0.00
## 381	4057192912	4/15/2016	3984	2.95	2.95
## 382	4319703577	4/12/2016	7753	5.20	5.20
## 383	4319703577	4/13/2016	8204	5.50	5.50
## 384	4319703577	4/14/2016	10210	6.88	6.88
## 385	4319703577	4/15/2016	5664	3.80	3.80
## 386	4319703577	4/16/2016	4744	3.18	3.18
## 387	4319703577	4/17/2016	29	0.02	0.02
## 388	4319703577	4/18/2016	2276	1.55	1.55
## 389	4319703577	4/19/2016	8925	5.99	5.99
## 390	4319703577	4/20/2016	8954	6.01	6.01
## 391	4319703577	4/21/2016	3702	2.48	2.48
## 392	4319703577	4/22/2016	4500	3.02	3.02
## 393	4319703577	4/23/2016	4935	3.31	3.31
## 394	4319703577	4/24/2016	4081	2.74	2.74
## 395	4319703577	4/25/2016	9259	6.21	6.21
## 396	4319703577	4/26/2016	9899	6.64	6.64
## 397	4319703577	4/27/2016	10780	7.23	7.23
## 398	4319703577	4/28/2016	10817	7.28	7.28
## 399	4319703577	4/29/2016	7990	5.36	5.36
## 400	4319703577	4/30/2016	8221	5.52	5.52
## 401	4319703577	5/1/2016	1251	0.84	0.84
## 402	4319703577	5/2/2016	9261	6.24	6.24
## 403	4319703577	5/3/2016	9648	6.47	6.47
## 404	4319703577	5/4/2016	10429	7.02	7.02

## 405	4319703577	5/5/2016	13658	9.49	9.49
## 406	4319703577	5/6/2016	9524	6.42	6.42
## 407	4319703577	5/7/2016	7937	5.33	5.33
## 408	4319703577	5/8/2016	3672	2.46	2.46
## 409	4319703577	5/9/2016	10378	6.96	6.96
## 410	4319703577	5/10/2016	9487	6.37	6.37
## 411	4319703577	5/11/2016	9129	6.13	6.13
## 412	4319703577	5/12/2016	17	0.01	0.01
## 413	4388161847	4/12/2016	10122	7.78	7.78
## 414	4388161847	4/13/2016	10993	8.45	8.45
## 415	4388161847	4/14/2016	8863	6.82	6.82
## 416	4388161847	4/15/2016	8758	6.73	6.73
## 417	4388161847	4/16/2016	6580	5.06	5.06
## 418	4388161847	4/17/2016	4660	3.58	3.58
## 419	4388161847	4/18/2016	11009	9.10	9.10
## 420	4388161847	4/19/2016	10181	7.83	7.83
## 421	4388161847	4/20/2016	10553	8.12	8.12
## 422	4388161847	4/21/2016	10055	7.73	7.73
## 423	4388161847	4/22/2016	12139	9.34	9.34
## 424	4388161847	4/23/2016	13236	10.18	10.18
## 425	4388161847	4/24/2016	10243	7.88	7.88
## 426	4388161847	4/25/2016	12961	9.97	9.97
## 427	4388161847	4/26/2016	9461	7.28	7.28
## 428	4388161847	4/27/2016	11193	8.61	8.61
## 429	4388161847	4/28/2016	10074	7.75	7.75
## 430	4388161847	4/29/2016	9232	7.10	7.10
## 431	4388161847	4/30/2016	12533	9.64	9.64
## 432	4388161847	5/1/2016	10255	7.89	7.89
## 433	4388161847	5/2/2016	10096	8.40	8.40
## 434	4388161847	5/3/2016	12727	9.79	9.79
## 435	4388161847	5/4/2016	12375	9.52	9.52
## 436	4388161847	5/5/2016	9603	7.38	7.38
## 437	4388161847	5/6/2016	13175	10.13	10.13
## 438	4388161847	5/7/2016	22770	17.54	17.54
## 439	4388161847	5/8/2016	17298	14.38	14.38
## 440	4388161847	5/9/2016	10218	7.86	7.86
## 441	4388161847	5/10/2016	10299	7.92	7.92
## 442	4388161847	5/11/2016	10201	7.84	7.84
## 443	4388161847	5/12/2016	3369	2.59	2.59
## 444	4445114986	4/12/2016	3276	2.20	2.20
## 445	4445114986	4/13/2016	2961	1.99	1.99
## 446	4445114986	4/14/2016	3974	2.67	2.67
## 447	4445114986	4/15/2016	7198	4.83	4.83
## 448	4445114986	4/16/2016	3945	2.65	2.65
## 449	4445114986	4/17/2016	2268	1.52	1.52
## 450	4445114986	4/18/2016	6155	4.24	4.24
## 451	4445114986	4/19/2016	2064	1.39	1.39
## 452	4445114986	4/20/2016	2072	1.39	1.39
## 453	4445114986	4/21/2016	3809	2.56	2.56
## 454	4445114986	4/22/2016	6831	4.58	4.58
## 455	4445114986	4/23/2016	4363	2.93	2.93
## 456	4445114986	4/24/2016	5002	3.36	3.36
## 457	4445114986	4/25/2016	3385	2.27	2.27
## 458	4445114986	4/26/2016	6326	4.41	4.41

## 459	4445114986	4/27/2016	7243	5.03	5.03
## 460	4445114986	4/28/2016	4493	3.01	3.01
## 461	4445114986	4/29/2016	4676	3.14	3.14
## 462	4445114986	4/30/2016	6222	4.18	4.18
## 463	4445114986	5/1/2016	5232	3.51	3.51
## 464	4445114986	5/2/2016	6910	4.75	4.75
## 465	4445114986	5/3/2016	7502	5.18	5.18
## 466	4445114986	5/4/2016	2923	1.96	1.96
## 467	4445114986	5/5/2016	3800	2.55	2.55
## 468	4445114986	5/6/2016	4514	3.03	3.03
## 469	4445114986	5/7/2016	5183	3.59	3.59
## 470	4445114986	5/8/2016	7303	4.90	4.90
## 471	4445114986	5/9/2016	5275	3.54	3.54
## 472	4445114986	5/10/2016	3915	2.63	2.63
## 473	4445114986	5/11/2016	9105	6.11	6.11
## 474	4445114986	5/12/2016	768	0.52	0.52
## 475	4558609924	4/12/2016	5135	3.39	3.39
## 476	4558609924	4/13/2016	4978	3.29	3.29
## 477	4558609924	4/14/2016	6799	4.49	4.49
## 478	4558609924	4/15/2016	7795	5.15	5.15
## 479	4558609924	4/16/2016	7289	4.82	4.82
## 480	4558609924	4/17/2016	9634	6.40	6.40
## 481	4558609924	4/18/2016	8940	5.91	5.91
## 482	4558609924	4/19/2016	5401	3.57	3.57
## 483	4558609924	4/20/2016	4803	3.17	3.17
## 484	4558609924	4/21/2016	13743	9.08	9.08
## 485	4558609924	4/22/2016	9601	6.35	6.35
## 486	4558609924	4/23/2016	6890	4.55	4.55
## 487	4558609924	4/24/2016	8563	5.66	5.66
## 488	4558609924	4/25/2016	8095	5.35	5.35
## 489	4558609924	4/26/2016	9148	6.05	6.05
## 490	4558609924	4/27/2016	9557	6.32	6.32
## 491	4558609924	4/28/2016	9451	6.25	6.25
## 492	4558609924	4/29/2016	7833	5.18	5.18
## 493	4558609924	4/30/2016	10319	6.82	6.82
## 494	4558609924	5/1/2016	3428	2.27	2.27
## 495	4558609924	5/2/2016	7891	5.22	5.22
## 496	4558609924	5/3/2016	5267	3.48	3.48
## 497	4558609924	5/4/2016	5232	3.46	3.46
## 498	4558609924	5/5/2016	10611	7.01	7.01
## 499	4558609924	5/6/2016	3755	2.48	2.48
## 500	4558609924	5/7/2016	8237	5.44	5.44
## 501	4558609924	5/8/2016	6543	4.33	4.33
## 502	4558609924	5/9/2016	11451	7.57	7.57
## 503	4558609924	5/10/2016	6435	4.25	4.25
## 504	4558609924	5/11/2016	9108	6.02	6.02
## 505	4558609924	5/12/2016	6307	4.17	4.17
## 506	4702921684	4/12/2016	7213	5.88	5.88
## 507	4702921684	4/13/2016	6877	5.58	5.58
## 508	4702921684	4/14/2016	7860	6.37	6.37
## 509	4702921684	4/15/2016	6506	5.28	5.28
## 510	4702921684	4/16/2016	11140	9.03	9.03
## 511	4702921684	4/17/2016	12692	10.29	10.29
## 512	4702921684	4/18/2016	9105	7.38	7.38

## 513	4702921684	4/19/2016	6708	5.44	5.44
## 514	4702921684	4/20/2016	8793	7.13	7.13
## 515	4702921684	4/21/2016	6530	5.30	5.30
## 516	4702921684	4/22/2016	1664	1.35	1.35
## 517	4702921684	4/23/2016	15126	12.27	12.27
## 518	4702921684	4/24/2016	15050	12.22	12.22
## 519	4702921684	4/25/2016	9167	7.43	7.43
## 520	4702921684	4/26/2016	6108	4.95	4.95
## 521	4702921684	4/27/2016	7047	5.72	5.72
## 522	4702921684	4/28/2016	9023	7.32	7.32
## 523	4702921684	4/29/2016	9930	8.05	8.05
## 524	4702921684	4/30/2016	10144	8.23	8.23
## 525	4702921684	5/1/2016	0	0.00	0.00
## 526	4702921684	5/2/2016	7245	5.92	5.92
## 527	4702921684	5/3/2016	9454	7.67	7.67
## 528	4702921684	5/4/2016	8161	6.62	6.62
## 529	4702921684	5/5/2016	8614	6.99	6.99
## 530	4702921684	5/6/2016	6943	5.63	5.63
## 531	4702921684	5/7/2016	14370	11.65	11.65
## 532	4702921684	5/8/2016	12857	10.43	10.43
## 533	4702921684	5/9/2016	8232	6.68	6.68
## 534	4702921684	5/10/2016	10613	8.61	8.61
## 535	4702921684	5/11/2016	9810	7.96	7.96
## 536	4702921684	5/12/2016	2752	2.23	2.23
## 537	5553957443	4/12/2016	11596	7.57	7.57
## 538	5553957443	4/13/2016	4832	3.16	3.16
## 539	5553957443	4/14/2016	17022	11.12	11.12
## 540	5553957443	4/15/2016	16556	10.86	10.86
## 541	5553957443	4/16/2016	5771	3.77	3.77
## 542	5553957443	4/17/2016	655	0.43	0.43
## 543	5553957443	4/18/2016	3727	2.43	2.43
## 544	5553957443	4/19/2016	15482	10.11	10.11
## 545	5553957443	4/20/2016	2713	1.77	1.77
## 546	5553957443	4/21/2016	12346	8.06	8.06
## 547	5553957443	4/22/2016	11682	7.63	7.63
## 548	5553957443	4/23/2016	4112	2.69	2.69
## 549	5553957443	4/24/2016	1807	1.18	1.18
## 550	5553957443	4/25/2016	10946	7.19	7.19
## 551	5553957443	4/26/2016	11886	7.76	7.76
## 552	5553957443	4/27/2016	10538	6.88	6.88
## 553	5553957443	4/28/2016	11393	7.63	7.63
## 554	5553957443	4/29/2016	12764	8.33	8.33
## 555	5553957443	4/30/2016	1202	0.78	0.78
## 556	5553957443	5/1/2016	5164	3.37	3.37
## 557	5553957443	5/2/2016	9769	6.38	6.38
## 558	5553957443	5/3/2016	12848	8.39	8.39
## 559	5553957443	5/4/2016	4249	2.77	2.77
## 560	5553957443	5/5/2016	14331	9.51	9.51
## 561	5553957443	5/6/2016	9632	6.29	6.29
## 562	5553957443	5/7/2016	1868	1.22	1.22
## 563	5553957443	5/8/2016	6083	4.00	4.00
## 564	5553957443	5/9/2016	11611	7.58	7.58
## 565	5553957443	5/10/2016	16358	10.71	10.71
## 566	5553957443	5/11/2016	4926	3.22	3.22

## 567	5553957443	5/12/2016	3121	2.04	2.04
## 568	5577150313	4/12/2016	8135	6.08	6.08
## 569	5577150313	4/13/2016	5077	3.79	3.79
## 570	5577150313	4/14/2016	8596	6.42	6.42
## 571	5577150313	4/15/2016	12087	9.08	9.08
## 572	5577150313	4/16/2016	14269	10.66	10.66
## 573	5577150313	4/17/2016	12231	9.14	9.14
## 574	5577150313	4/18/2016	9893	7.39	7.39
## 575	5577150313	4/19/2016	12574	9.42	9.42
## 576	5577150313	4/20/2016	8330	6.22	6.22
## 577	5577150313	4/21/2016	10830	8.09	8.09
## 578	5577150313	4/22/2016	9172	6.85	6.85
## 579	5577150313	4/23/2016	7638	5.71	5.71
## 580	5577150313	4/24/2016	15764	11.78	11.78
## 581	5577150313	4/25/2016	6393	4.78	4.78
## 582	5577150313	4/26/2016	5325	3.98	3.98
## 583	5577150313	4/27/2016	6805	5.14	5.14
## 584	5577150313	4/28/2016	9841	7.43	7.43
## 585	5577150313	4/29/2016	7924	5.92	5.92
## 586	5577150313	4/30/2016	12363	9.24	9.24
## 587	5577150313	5/1/2016	13368	9.99	9.99
## 588	5577150313	5/2/2016	7439	5.56	5.56
## 589	5577150313	5/3/2016	11045	8.25	8.25
## 590	5577150313	5/4/2016	5206	3.89	3.89
## 591	5577150313	5/5/2016	7550	5.64	5.64
## 592	5577150313	5/6/2016	4950	3.70	3.70
## 593	5577150313	5/7/2016	0	0.00	0.00
## 594	5577150313	5/8/2016	0	0.00	0.00
## 595	5577150313	5/9/2016	3421	2.56	2.56
## 596	5577150313	5/10/2016	8869	6.65	6.65
## 597	5577150313	5/11/2016	4038	3.04	3.04
## 598	6117666160	4/12/2016	0	0.00	0.00
## 599	6117666160	4/13/2016	0	0.00	0.00
## 600	6117666160	4/14/2016	0	0.00	0.00
## 601	6117666160	4/15/2016	14019	10.59	10.59
## 602	6117666160	4/16/2016	14450	10.91	10.91
## 603	6117666160	4/17/2016	7150	5.40	5.40
## 604	6117666160	4/18/2016	5153	3.91	3.91
## 605	6117666160	4/19/2016	11135	8.41	8.41
## 606	6117666160	4/20/2016	10449	8.02	8.02
## 607	6117666160	4/21/2016	19542	15.01	15.01
## 608	6117666160	4/22/2016	8206	6.20	6.20
## 609	6117666160	4/23/2016	11495	8.68	8.68
## 610	6117666160	4/24/2016	7623	5.76	5.76
## 611	6117666160	4/25/2016	0	0.00	0.00
## 612	6117666160	4/26/2016	9543	7.21	7.21
## 613	6117666160	4/27/2016	9411	7.11	7.11
## 614	6117666160	4/28/2016	3403	2.60	2.60
## 615	6117666160	4/29/2016	9592	7.24	7.24
## 616	6117666160	4/30/2016	6987	5.28	5.28
## 617	6117666160	5/1/2016	8915	6.73	6.73
## 618	6117666160	5/2/2016	4933	3.73	3.73
## 619	6117666160	5/3/2016	0	0.00	0.00
## 620	6117666160	5/4/2016	2997	2.26	2.26

## 621	6117666160	5/5/2016	9799	7.40	7.40
## 622	6117666160	5/6/2016	3365	2.68	2.68
## 623	6117666160	5/7/2016	7336	5.54	5.54
## 624	6117666160	5/8/2016	7328	5.53	5.53
## 625	6117666160	5/9/2016	4477	3.38	3.38
## 626	6290855005	4/12/2016	4562	3.45	3.45
## 627	6290855005	4/13/2016	7142	5.40	5.40
## 628	6290855005	4/14/2016	7671	5.80	5.80
## 629	6290855005	4/15/2016	9501	7.18	7.18
## 630	6290855005	4/16/2016	8301	6.28	6.28
## 631	6290855005	4/17/2016	7851	5.94	5.94
## 632	6290855005	4/18/2016	6885	5.21	5.21
## 633	6290855005	4/19/2016	7142	5.40	5.40
## 634	6290855005	4/20/2016	6361	4.81	4.81
## 635	6290855005	4/21/2016	0	0.00	0.00
## 636	6290855005	4/22/2016	6238	4.72	4.72
## 637	6290855005	4/23/2016	0	0.00	0.00
## 638	6290855005	4/24/2016	5896	4.46	4.46
## 639	6290855005	4/25/2016	7802	5.90	5.90
## 640	6290855005	4/26/2016	0	0.00	0.00
## 641	6290855005	4/27/2016	5565	4.21	4.21
## 642	6290855005	4/28/2016	5731	4.33	4.33
## 643	6290855005	4/29/2016	0	0.00	0.00
## 644	6290855005	4/30/2016	6744	5.10	5.10
## 645	6290855005	5/1/2016	9837	7.44	7.44
## 646	6290855005	5/2/2016	6781	5.13	5.13
## 647	6290855005	5/3/2016	6047	4.57	4.57
## 648	6290855005	5/4/2016	5832	4.41	4.41
## 649	6290855005	5/5/2016	6339	4.79	4.79
## 650	6290855005	5/6/2016	6116	4.62	4.62
## 651	6290855005	5/7/2016	5510	4.17	4.17
## 652	6290855005	5/8/2016	7706	5.83	5.83
## 653	6290855005	5/9/2016	6277	4.75	4.75
## 654	6290855005	5/10/2016	0	0.00	0.00
## 655	6775888955	4/12/2016	0	0.00	0.00
## 656	6775888955	4/13/2016	4053	2.91	2.91
## 657	6775888955	4/14/2016	5162	3.70	3.70
## 658	6775888955	4/15/2016	1282	0.92	0.92
## 659	6775888955	4/16/2016	4732	3.39	3.39
## 660	6775888955	4/17/2016	2497	1.79	1.79
## 661	6775888955	4/18/2016	8294	5.95	5.95
## 662	6775888955	4/19/2016	0	0.00	0.00
## 663	6775888955	4/20/2016	10771	7.72	7.72
## 664	6775888955	4/21/2016	0	0.00	0.00
## 665	6775888955	4/22/2016	637	0.46	0.46
## 666	6775888955	4/23/2016	0	0.00	0.00
## 667	6775888955	4/24/2016	2153	1.54	1.54
## 668	6775888955	4/25/2016	6474	4.64	4.64
## 669	6775888955	4/26/2016	7091	5.27	5.27
## 670	6775888955	4/27/2016	0	0.00	0.00
## 671	6775888955	4/28/2016	703	0.50	0.50
## 672	6775888955	4/29/2016	0	0.00	0.00
## 673	6775888955	4/30/2016	2503	1.79	1.79
## 674	6775888955	5/1/2016	2487	1.78	1.78

## 675	6775888955	5/2/2016	0	0.00	0.00
## 676	6775888955	5/3/2016	9	0.01	0.01
## 677	6775888955	5/4/2016	0	0.00	0.00
## 678	6775888955	5/5/2016	0	0.00	0.00
## 679	6775888955	5/6/2016	4697	3.37	3.37
## 680	6775888955	5/7/2016	1967	1.41	1.41
## 681	6962181067	4/12/2016	10199	6.74	6.74
## 682	6962181067	4/13/2016	5652	3.74	3.74
## 683	6962181067	4/14/2016	1551	1.03	1.03
## 684	6962181067	4/15/2016	5563	3.68	3.68
## 685	6962181067	4/16/2016	13217	8.74	8.74
## 686	6962181067	4/17/2016	10145	6.71	6.71
## 687	6962181067	4/18/2016	11404	7.54	7.54
## 688	6962181067	4/19/2016	10742	7.10	7.10
## 689	6962181067	4/20/2016	13928	9.55	9.55
## 690	6962181067	4/21/2016	11835	9.71	7.88
## 691	6962181067	4/22/2016	10725	7.09	7.09
## 692	6962181067	4/23/2016	20031	13.24	13.24
## 693	6962181067	4/24/2016	5029	3.32	3.32
## 694	6962181067	4/25/2016	13239	9.27	9.08
## 695	6962181067	4/26/2016	10433	6.90	6.90
## 696	6962181067	4/27/2016	10320	6.82	6.82
## 697	6962181067	4/28/2016	12627	8.35	8.35
## 698	6962181067	4/29/2016	10762	7.11	7.11
## 699	6962181067	4/30/2016	10081	6.66	6.66
## 700	6962181067	5/1/2016	5454	3.61	3.61
## 701	6962181067	5/2/2016	12912	8.54	8.54
## 702	6962181067	5/3/2016	12109	8.12	8.12
## 703	6962181067	5/4/2016	10147	6.71	6.71
## 704	6962181067	5/5/2016	10524	6.96	6.96
## 705	6962181067	5/6/2016	5908	3.91	3.91
## 706	6962181067	5/7/2016	6815	4.50	4.50
## 707	6962181067	5/8/2016	4188	2.77	2.77
## 708	6962181067	5/9/2016	12342	8.72	8.68
## 709	6962181067	5/10/2016	15448	10.21	10.21
## 710	6962181067	5/11/2016	6722	4.44	4.44
## 711	6962181067	5/12/2016	3587	2.37	2.37
## 712	7007744171	4/12/2016	14172	10.29	9.48
## 713	7007744171	4/13/2016	12862	9.65	8.60
## 714	7007744171	4/14/2016	11179	8.24	7.48
## 715	7007744171	4/15/2016	5273	3.53	3.53
## 716	7007744171	4/16/2016	4631	3.10	3.10
## 717	7007744171	4/17/2016	8059	5.39	5.39
## 718	7007744171	4/18/2016	14816	10.98	9.91
## 719	7007744171	4/19/2016	14194	10.48	9.50
## 720	7007744171	4/20/2016	15566	11.31	10.41
## 721	7007744171	4/21/2016	13744	9.19	9.19
## 722	7007744171	4/22/2016	15299	10.24	10.24
## 723	7007744171	4/23/2016	8093	5.41	5.41
## 724	7007744171	4/24/2016	11085	7.42	7.42
## 725	7007744171	4/25/2016	18229	13.34	12.20
## 726	7007744171	4/26/2016	15090	10.10	10.10
## 727	7007744171	4/27/2016	13541	10.22	9.06
## 728	7007744171	4/28/2016	15128	10.12	10.12

## 729	7007744171	4/29/2016	20067	14.30	13.42
## 730	7007744171	4/30/2016	3761	2.52	2.52
## 731	7007744171	5/1/2016	5600	3.75	3.75
## 732	7007744171	5/2/2016	13041	9.18	8.72
## 733	7007744171	5/3/2016	14510	10.87	9.71
## 734	7007744171	5/4/2016	0	0.00	0.00
## 735	7007744171	5/5/2016	15010	11.10	10.04
## 736	7007744171	5/6/2016	11459	7.67	7.67
## 737	7007744171	5/7/2016	0	0.00	0.00
## 738	7086361926	4/12/2016	11317	8.41	8.41
## 739	7086361926	4/13/2016	5813	3.62	3.62
## 740	7086361926	4/14/2016	9123	6.12	6.12
## 741	7086361926	4/15/2016	8585	5.67	5.67
## 742	7086361926	4/16/2016	31	0.01	0.01
## 743	7086361926	4/17/2016	0	0.00	0.00
## 744	7086361926	4/18/2016	9827	6.71	6.71
## 745	7086361926	4/19/2016	10688	7.29	7.29
## 746	7086361926	4/20/2016	14365	10.64	10.64
## 747	7086361926	4/21/2016	9469	6.18	6.18
## 748	7086361926	4/22/2016	9753	6.53	6.53
## 749	7086361926	4/23/2016	2817	1.81	1.81
## 750	7086361926	4/24/2016	3520	2.16	2.16
## 751	7086361926	4/25/2016	10091	6.82	6.82
## 752	7086361926	4/26/2016	10387	7.07	7.07
## 753	7086361926	4/27/2016	11107	8.34	8.34
## 754	7086361926	4/28/2016	11584	7.80	7.80
## 755	7086361926	4/29/2016	7881	4.95	4.95
## 756	7086361926	4/30/2016	14560	9.41	9.41
## 757	7086361926	5/1/2016	12390	8.07	8.07
## 758	7086361926	5/2/2016	10052	6.81	6.81
## 759	7086361926	5/3/2016	10288	6.76	6.76
## 760	7086361926	5/4/2016	10988	8.31	8.31
## 761	7086361926	5/5/2016	8564	5.60	5.60
## 762	7086361926	5/6/2016	12461	8.38	8.38
## 763	7086361926	5/7/2016	12827	8.48	8.48
## 764	7086361926	5/8/2016	10677	7.10	7.10
## 765	7086361926	5/9/2016	13566	9.11	9.11
## 766	7086361926	5/10/2016	14433	10.79	10.79
## 767	7086361926	5/11/2016	9572	6.52	6.52
## 768	7086361926	5/12/2016	3789	2.56	2.56
## 769	8053475328	4/12/2016	18060	14.12	14.12
## 770	8053475328	4/13/2016	16433	13.35	13.35
## 771	8053475328	4/14/2016	20159	15.97	15.97
## 772	8053475328	4/15/2016	20669	16.24	16.24
## 773	8053475328	4/16/2016	14549	11.11	11.11
## 774	8053475328	4/17/2016	18827	13.69	13.69
## 775	8053475328	4/18/2016	17076	12.66	12.66
## 776	8053475328	4/19/2016	15929	12.48	12.48
## 777	8053475328	4/20/2016	15108	12.19	12.19
## 778	8053475328	4/21/2016	16057	12.51	12.51
## 779	8053475328	4/22/2016	10520	8.29	8.29
## 780	8053475328	4/23/2016	22359	17.19	17.19
## 781	8053475328	4/24/2016	22988	17.95	17.95
## 782	8053475328	4/25/2016	20500	15.69	15.69

## 783	8053475328	4/26/2016	12685	9.62	9.62
## 784	8053475328	4/27/2016	12422	9.82	9.82
## 785	8053475328	4/28/2016	15447	12.40	12.40
## 786	8053475328	4/29/2016	12315	9.65	9.65
## 787	8053475328	4/30/2016	7135	5.59	5.59
## 788	8053475328	5/1/2016	1170	0.85	0.85
## 789	8053475328	5/2/2016	1969	1.43	1.43
## 790	8053475328	5/3/2016	15484	11.90	11.90
## 791	8053475328	5/4/2016	14581	11.15	11.15
## 792	8053475328	5/5/2016	14990	11.51	11.51
## 793	8053475328	5/6/2016	13953	11.00	11.00
## 794	8053475328	5/7/2016	19769	15.67	15.67
## 795	8053475328	5/8/2016	22026	17.65	17.65
## 796	8053475328	5/9/2016	12465	9.38	9.38
## 797	8053475328	5/10/2016	14810	11.36	11.36
## 798	8053475328	5/11/2016	12209	9.40	9.40
## 799	8053475328	5/12/2016	4998	3.91	3.91
## 800	8253242879	4/12/2016	9033	7.16	7.16
## 801	8253242879	4/13/2016	8053	6.10	6.10
## 802	8253242879	4/14/2016	5234	3.46	3.46
## 803	8253242879	4/15/2016	2672	1.77	1.77
## 804	8253242879	4/16/2016	9256	6.14	6.14
## 805	8253242879	4/17/2016	10204	7.91	7.91
## 806	8253242879	4/18/2016	5151	3.48	3.48
## 807	8253242879	4/19/2016	4212	2.78	2.78
## 808	8253242879	4/20/2016	6466	4.27	4.27
## 809	8253242879	4/21/2016	11268	8.56	8.56
## 810	8253242879	4/22/2016	2824	1.87	1.87
## 811	8253242879	4/23/2016	9282	6.26	6.26
## 812	8253242879	4/24/2016	8905	7.13	7.13
## 813	8253242879	4/25/2016	6829	4.51	4.51
## 814	8253242879	4/26/2016	4562	3.04	3.04
## 815	8253242879	4/27/2016	10232	8.18	8.18
## 816	8253242879	4/28/2016	2718	1.80	1.80
## 817	8253242879	4/29/2016	6260	4.26	4.26
## 818	8253242879	4/30/2016	0	0.00	0.00
## 819	8378563200	4/12/2016	7626	6.05	6.05
## 820	8378563200	4/13/2016	12386	9.82	9.82
## 821	8378563200	4/14/2016	13318	10.56	10.56
## 822	8378563200	4/15/2016	14461	11.47	11.47
## 823	8378563200	4/16/2016	11207	8.89	8.89
## 824	8378563200	4/17/2016	2132	1.69	1.69
## 825	8378563200	4/18/2016	13630	10.81	10.81
## 826	8378563200	4/19/2016	13070	10.36	10.36
## 827	8378563200	4/20/2016	9388	7.44	7.44
## 828	8378563200	4/21/2016	15148	12.01	12.01
## 829	8378563200	4/22/2016	12200	9.67	9.67
## 830	8378563200	4/23/2016	5709	4.53	4.53
## 831	8378563200	4/24/2016	3703	2.94	2.94
## 832	8378563200	4/25/2016	12405	9.84	9.84
## 833	8378563200	4/26/2016	16208	12.85	12.85
## 834	8378563200	4/27/2016	7359	5.84	5.84
## 835	8378563200	4/28/2016	5417	4.30	4.30
## 836	8378563200	4/29/2016	6175	4.90	4.90

## 837	8378563200	4/30/2016	2946	2.34	2.34
## 838	8378563200	5/1/2016	11419	9.06	9.06
## 839	8378563200	5/2/2016	6064	4.81	4.81
## 840	8378563200	5/3/2016	8712	6.91	6.91
## 841	8378563200	5/4/2016	7875	6.24	6.24
## 842	8378563200	5/5/2016	8567	6.79	6.79
## 843	8378563200	5/6/2016	7045	5.59	5.59
## 844	8378563200	5/7/2016	4468	3.54	3.54
## 845	8378563200	5/8/2016	2943	2.33	2.33
## 846	8378563200	5/9/2016	8382	6.65	6.65
## 847	8378563200	5/10/2016	6582	5.22	5.22
## 848	8378563200	5/11/2016	9143	7.25	7.25
## 849	8378563200	5/12/2016	4561	3.62	3.62
## 850	8583815059	4/12/2016	5014	3.91	3.91
## 851	8583815059	4/13/2016	5571	4.35	4.35
## 852	8583815059	4/14/2016	3135	2.45	2.45
## 853	8583815059	4/15/2016	3430	2.68	2.68
## 854	8583815059	4/16/2016	5319	4.15	4.15
## 855	8583815059	4/17/2016	3008	2.35	2.35
## 856	8583815059	4/18/2016	3864	3.01	3.01
## 857	8583815059	4/19/2016	5697	4.44	4.44
## 858	8583815059	4/20/2016	5273	4.11	4.11
## 859	8583815059	4/21/2016	8538	6.66	6.66
## 860	8583815059	4/22/2016	8687	6.78	6.78
## 861	8583815059	4/23/2016	9423	7.35	7.35
## 862	8583815059	4/24/2016	8286	6.46	6.46
## 863	8583815059	4/25/2016	4503	3.51	3.51
## 864	8583815059	4/26/2016	10499	8.19	8.19
## 865	8583815059	4/27/2016	12474	9.73	9.73
## 866	8583815059	4/28/2016	6174	4.82	4.82
## 867	8583815059	4/29/2016	15168	11.83	11.83
## 868	8583815059	4/30/2016	10085	7.87	7.87
## 869	8583815059	5/1/2016	4512	3.52	3.52
## 870	8583815059	5/2/2016	8469	6.61	6.61
## 871	8583815059	5/3/2016	12015	9.37	9.37
## 872	8583815059	5/4/2016	3588	2.80	2.80
## 873	8583815059	5/5/2016	12427	9.69	9.69
## 874	8583815059	5/6/2016	5843	4.56	4.56
## 875	8583815059	5/7/2016	6117	4.77	4.77
## 876	8583815059	5/8/2016	9217	7.19	7.19
## 877	8583815059	5/9/2016	9877	7.70	7.70
## 878	8583815059	5/10/2016	8240	6.43	6.43
## 879	8583815059	5/11/2016	8701	6.79	6.79
## 880	8583815059	5/12/2016	0	0.00	0.00
## 881	8792009665	4/12/2016	2564	1.64	1.64
## 882	8792009665	4/13/2016	1320	0.84	0.84
## 883	8792009665	4/14/2016	1219	0.78	0.78
## 884	8792009665	4/15/2016	2483	1.59	1.59
## 885	8792009665	4/16/2016	244	0.16	0.16
## 886	8792009665	4/17/2016	0	0.00	0.00
## 887	8792009665	4/18/2016	0	0.00	0.00
## 888	8792009665	4/19/2016	0	0.00	0.00
## 889	8792009665	4/20/2016	3147	2.01	2.01
## 890	8792009665	4/21/2016	144	0.09	0.09

##	891	8792009665	4/22/2016	4068	2.60	2.60
##	892	8792009665	4/23/2016	5245	3.36	3.36
##	893	8792009665	4/24/2016	400	0.26	0.26
##	894	8792009665	4/25/2016	0	0.00	0.00
##	895	8792009665	4/26/2016	1321	0.85	0.85
##	896	8792009665	4/27/2016	1758	1.13	1.13
##	897	8792009665	4/28/2016	6157	3.94	3.94
##	898	8792009665	4/29/2016	8360	5.35	5.35
##	899	8792009665	4/30/2016	7174	4.59	4.59
##	900	8792009665	5/1/2016	1619	1.04	1.04
##	901	8792009665	5/2/2016	1831	1.17	1.17
##	902	8792009665	5/3/2016	2421	1.55	1.55
##	903	8792009665	5/4/2016	2283	1.46	1.46
##	904	8792009665	5/5/2016	0	0.00	0.00
##	905	8792009665	5/6/2016	0	0.00	0.00
##	906	8792009665	5/7/2016	0	0.00	0.00
##	907	8792009665	5/8/2016	0	0.00	0.00
##	908	8792009665	5/9/2016	0	0.00	0.00
##	909	8792009665	5/10/2016	0	0.00	0.00
##	910	8877689391	4/12/2016	23186	20.40	20.40
##	911	8877689391	4/13/2016	15337	9.58	9.58
##	912	8877689391	4/14/2016	21129	18.98	18.98
##	913	8877689391	4/15/2016	13422	7.17	7.17
##	914	8877689391	4/16/2016	29326	25.29	25.29
##	915	8877689391	4/17/2016	15118	8.87	8.87
##	916	8877689391	4/18/2016	11423	8.67	8.67
##	917	8877689391	4/19/2016	18785	17.40	17.40
##	918	8877689391	4/20/2016	19948	18.11	18.11
##	919	8877689391	4/21/2016	19377	17.62	17.62
##	920	8877689391	4/22/2016	18258	16.31	16.31
##	921	8877689391	4/23/2016	11200	7.43	7.43
##	922	8877689391	4/24/2016	16674	15.74	15.74
##	923	8877689391	4/25/2016	12986	8.74	8.74
##	924	8877689391	4/26/2016	11101	8.43	8.43
##	925	8877689391	4/27/2016	23629	20.65	20.65
##	926	8877689391	4/28/2016	14890	11.30	11.30
##	927	8877689391	4/29/2016	9733	7.39	7.39
##	928	8877689391	4/30/2016	27745	26.72	26.72
##	929	8877689391	5/1/2016	10930	8.32	8.32
##	930	8877689391	5/2/2016	4790	3.64	3.64
##	931	8877689391	5/3/2016	10818	8.21	8.21
##	932	8877689391	5/4/2016	18193	16.30	16.30
##	933	8877689391	5/5/2016	14055	10.67	10.67
##	934	8877689391	5/6/2016	21727	19.34	19.34
##	935	8877689391	5/7/2016	12332	8.13	8.13
##	936	8877689391	5/8/2016	10686	8.11	8.11
##	937	8877689391	5/9/2016	20226	18.25	18.25
##	938	8877689391	5/10/2016	10733	8.15	8.15
##	939	8877689391	5/11/2016	21420	19.56	19.56
##	940	8877689391	5/12/2016	8064	6.12	6.12
##		logged_activities_distance	very_active_distance	moderately_active_distance		
##	1	0.000000	1.88	0.55		
##	2	0.000000	1.57	0.69		
##	3	0.000000	2.44	0.40		

## 4	0.000000	2.14	1.26
## 5	0.000000	2.71	0.41
## 6	0.000000	3.19	0.78
## 7	0.000000	3.25	0.64
## 8	0.000000	3.53	1.32
## 9	0.000000	1.96	0.48
## 10	0.000000	1.34	0.35
## 11	0.000000	4.76	1.12
## 12	0.000000	2.81	0.87
## 13	0.000000	2.92	0.21
## 14	0.000000	5.29	0.57
## 15	0.000000	2.33	0.92
## 16	0.000000	6.40	0.41
## 17	0.000000	3.54	1.16
## 18	0.000000	1.06	0.50
## 19	0.000000	3.56	1.42
## 20	0.000000	2.29	1.60
## 21	0.000000	3.21	0.57
## 22	0.000000	3.73	1.05
## 23	0.000000	2.46	0.87
## 24	0.000000	2.92	1.08
## 25	0.000000	1.97	0.25
## 26	0.000000	2.46	2.12
## 27	0.000000	3.53	0.32
## 28	0.000000	3.45	0.53
## 29	0.000000	3.35	1.16
## 30	0.000000	2.56	1.01
## 31	0.000000	0.00	0.00
## 32	0.000000	0.00	0.00
## 33	0.000000	0.00	0.00
## 34	0.000000	0.00	0.00
## 35	0.000000	0.00	0.00
## 36	0.000000	0.00	0.00
## 37	0.000000	1.03	1.52
## 38	0.000000	2.15	0.62
## 39	0.000000	0.00	0.00
## 40	0.000000	0.00	0.00
## 41	0.000000	0.00	0.00
## 42	0.000000	0.00	0.00
## 43	0.000000	0.00	0.00
## 44	0.000000	1.15	0.91
## 45	0.000000	0.00	0.00
## 46	0.000000	0.00	0.00
## 47	0.000000	1.11	1.87
## 48	0.000000	0.00	0.20
## 49	0.000000	0.00	0.00
## 50	0.000000	0.90	1.28
## 51	0.000000	21.92	4.19
## 52	0.000000	0.86	0.59
## 53	0.000000	0.00	0.00
## 54	0.000000	0.00	0.00
## 55	0.000000	0.00	0.00
## 56	0.000000	0.00	0.00
## 57	0.000000	0.00	0.00

## 58	0.000000	0.00	0.00
## 59	0.000000	0.00	0.00
## 60	0.000000	0.00	0.00
## 61	0.000000	0.00	0.00
## 62	0.000000	0.00	0.00
## 63	0.000000	0.14	2.30
## 64	0.000000	2.28	0.90
## 65	0.000000	0.36	2.56
## 66	0.000000	0.22	0.15
## 67	0.000000	4.10	1.88
## 68	0.000000	2.25	0.57
## 69	0.000000	1.07	1.67
## 70	0.000000	0.36	2.53
## 71	0.000000	0.00	0.00
## 72	0.000000	0.00	0.00
## 73	0.000000	0.00	0.00
## 74	0.000000	0.00	0.58
## 75	0.000000	0.00	0.00
## 76	0.000000	0.59	0.06
## 77	0.000000	0.80	1.72
## 78	0.000000	0.00	0.00
## 79	0.000000	0.20	2.32
## 80	0.000000	0.00	0.00
## 81	0.000000	0.63	3.14
## 82	0.000000	0.24	0.99
## 83	0.000000	0.07	0.31
## 84	0.000000	0.72	4.09
## 85	0.000000	0.00	0.00
## 86	0.000000	0.52	0.54
## 87	0.000000	0.82	0.27
## 88	0.000000	3.26	0.79
## 89	0.000000	0.00	0.00
## 90	0.000000	2.39	0.35
## 91	0.000000	0.88	0.81
## 92	0.000000	0.00	0.00
## 93	0.000000	0.00	0.00
## 94	0.000000	0.00	0.00
## 95	0.000000	0.00	0.00
## 96	0.000000	0.00	0.00
## 97	0.000000	0.00	0.00
## 98	0.000000	0.14	0.26
## 99	0.000000	0.00	0.48
## 100	0.000000	0.00	0.00
## 101	0.000000	0.00	0.00
## 102	0.000000	0.12	0.52
## 103	0.000000	0.00	0.00
## 104	0.000000	0.00	0.00
## 105	0.000000	0.00	0.00
## 106	0.000000	0.00	0.00
## 107	0.000000	0.00	0.00
## 108	0.000000	0.00	0.00
## 109	0.000000	0.00	0.00
## 110	0.000000	0.00	0.00
## 111	0.000000	0.00	0.00

## 112	0.000000	0.00	0.26
## 113	0.000000	0.00	0.00
## 114	0.000000	0.00	0.00
## 115	0.000000	0.00	0.00
## 116	0.000000	0.00	0.00
## 117	0.000000	0.00	0.00
## 118	0.000000	0.00	0.00
## 119	0.000000	0.00	0.00
## 120	0.000000	0.00	0.00
## 121	0.000000	0.00	0.00
## 122	0.000000	0.00	0.00
## 123	0.000000	0.00	0.00
## 124	0.000000	0.00	0.00
## 125	0.000000	0.00	0.00
## 126	0.000000	0.00	0.40
## 127	0.000000	0.00	0.00
## 128	0.000000	0.00	0.00
## 129	0.000000	0.00	0.00
## 130	0.000000	0.00	0.00
## 131	0.000000	0.00	0.00
## 132	0.000000	0.00	0.00
## 133	0.000000	0.00	0.00
## 134	0.000000	0.00	0.00
## 135	0.000000	0.00	0.00
## 136	0.000000	0.07	0.24
## 137	0.000000	0.00	0.00
## 138	0.000000	0.00	0.00
## 139	0.000000	0.00	0.00
## 140	0.000000	0.00	0.00
## 141	0.000000	0.00	0.00
## 142	0.000000	0.00	0.00
## 143	0.000000	1.01	0.03
## 144	0.000000	1.16	0.30
## 145	0.000000	0.73	0.00
## 146	0.000000	0.00	0.00
## 147	0.000000	0.00	0.00
## 148	0.000000	0.00	0.00
## 149	0.000000	0.00	0.00
## 150	0.000000	0.00	0.00
## 151	0.000000	0.00	0.00
## 152	0.000000	0.00	0.00
## 153	0.000000	0.00	0.00
## 154	0.000000	0.00	0.00
## 155	0.000000	3.31	0.77
## 156	0.000000	2.99	0.10
## 157	0.000000	2.48	0.21
## 158	0.000000	1.94	0.31
## 159	0.000000	3.15	0.55
## 160	0.000000	3.87	0.66
## 161	0.000000	3.64	0.12
## 162	0.000000	3.29	0.24
## 163	0.000000	3.34	1.93
## 164	0.000000	3.33	1.11
## 165	0.000000	4.43	0.42

## 166	0.000000	0.00	0.00
## 167	0.000000	4.55	1.15
## 168	0.000000	3.33	0.22
## 169	0.000000	1.43	0.66
## 170	0.000000	1.04	0.97
## 171	0.000000	0.41	1.33
## 172	0.000000	0.48	1.21
## 173	0.000000	0.94	1.40
## 174	0.000000	1.94	0.96
## 175	0.000000	2.61	0.34
## 176	0.000000	3.99	0.46
## 177	0.000000	2.51	0.93
## 178	0.000000	2.79	0.86
## 179	0.000000	1.87	0.67
## 180	0.000000	1.61	0.08
## 181	0.000000	0.00	0.00
## 182	0.000000	2.12	1.63
## 183	0.000000	2.22	1.21
## 184	0.000000	4.18	1.15
## 185	0.000000	1.28	0.67
## 186	0.000000	0.19	0.35
## 187	0.000000	0.00	0.00
## 188	0.000000	0.00	0.00
## 189	0.000000	0.00	0.00
## 190	0.000000	0.00	0.00
## 191	0.000000	0.00	0.00
## 192	0.000000	0.00	0.00
## 193	0.000000	0.00	0.00
## 194	0.000000	0.00	0.00
## 195	0.000000	0.00	0.00
## 196	0.000000	0.00	0.00
## 197	0.000000	0.00	0.00
## 198	0.000000	0.00	0.00
## 199	0.000000	0.00	0.00
## 200	0.000000	0.00	0.00
## 201	0.000000	0.00	0.00
## 202	0.000000	0.00	0.00
## 203	0.000000	0.00	0.00
## 204	0.000000	0.00	0.00
## 205	0.000000	0.00	0.00
## 206	0.000000	0.00	0.00
## 207	0.000000	0.00	0.00
## 208	0.000000	0.00	0.00
## 209	0.000000	0.00	0.00
## 210	0.000000	0.00	0.00
## 211	0.000000	0.00	0.00
## 212	0.000000	0.00	0.00
## 213	0.000000	0.00	0.00
## 214	0.000000	0.00	0.00
## 215	0.000000	0.00	0.00
## 216	0.000000	0.00	0.00
## 217	0.000000	1.17	0.31
## 218	0.000000	0.00	0.00
## 219	0.000000	0.00	0.00

## 220	0.000000	0.00	0.00
## 221	0.000000	0.00	0.00
## 222	0.000000	0.00	0.00
## 223	0.000000	0.00	0.26
## 224	0.000000	0.00	0.38
## 225	0.000000	0.00	0.49
## 226	0.000000	0.06	0.42
## 227	0.000000	0.00	0.00
## 228	0.000000	0.00	0.00
## 229	0.000000	0.00	0.00
## 230	0.000000	0.23	0.20
## 231	0.000000	0.00	0.00
## 232	0.000000	0.00	0.00
## 233	0.000000	0.00	0.00
## 234	0.000000	0.00	0.00
## 235	0.000000	0.00	0.00
## 236	0.000000	0.00	0.00
## 237	0.000000	0.36	0.21
## 238	0.000000	1.49	0.37
## 239	0.000000	0.00	0.00
## 240	0.000000	0.00	0.39
## 241	0.000000	0.00	0.00
## 242	0.000000	0.00	0.00
## 243	0.000000	0.00	0.00
## 244	0.000000	0.00	0.00
## 245	0.000000	0.00	0.00
## 246	0.000000	0.00	0.00
## 247	0.000000	0.00	0.00
## 248	0.000000	2.00	0.62
## 249	0.000000	1.66	1.94
## 250	0.000000	0.02	2.74
## 251	0.000000	0.07	1.42
## 252	0.000000	5.45	4.10
## 253	0.000000	0.08	0.28
## 254	0.000000	0.79	0.86
## 255	0.000000	0.00	0.00
## 256	0.000000	0.68	1.81
## 257	0.000000	1.85	1.53
## 258	0.000000	0.56	1.68
## 259	0.000000	2.78	1.45
## 260	0.000000	0.00	0.00
## 261	0.000000	1.27	0.52
## 262	0.000000	0.00	0.00
## 263	0.000000	1.86	0.40
## 264	0.000000	0.00	0.00
## 265	0.000000	0.00	0.00
## 266	0.000000	0.11	0.93
## 267	0.000000	0.00	0.22
## 268	0.000000	0.00	0.00
## 269	0.000000	0.00	0.00
## 270	0.000000	3.11	0.02
## 271	0.000000	0.00	0.35
## 272	0.000000	0.07	0.28
## 273	0.000000	0.00	0.00

## 274	0.000000	1.51	0.12
## 275	0.000000	0.13	0.37
## 276	0.000000	0.46	0.00
## 277	0.000000	2.09	0.23
## 278	0.000000	3.00	0.06
## 279	0.000000	0.00	0.00
## 280	0.000000	0.12	0.18
## 281	0.000000	0.00	0.00
## 282	0.000000	2.16	0.34
## 283	0.000000	1.36	1.41
## 284	0.000000	0.33	1.08
## 285	0.000000	0.49	1.04
## 286	0.000000	0.00	0.21
## 287	0.000000	0.06	0.25
## 288	0.000000	0.00	0.00
## 289	0.000000	0.78	0.80
## 290	0.000000	0.00	0.12
## 291	0.000000	2.28	0.55
## 292	0.000000	2.90	0.00
## 293	0.000000	0.00	0.00
## 294	0.000000	0.00	0.00
## 295	0.000000	0.00	0.00
## 296	0.000000	0.00	0.00
## 297	0.000000	0.00	0.00
## 298	0.000000	0.99	0.34
## 299	0.000000	0.34	1.03
## 300	0.000000	0.00	0.00
## 301	0.000000	0.00	0.00
## 302	0.000000	1.41	0.10
## 303	0.000000	1.08	0.20
## 304	0.000000	0.00	0.00
## 305	0.000000	0.84	0.09
## 306	0.000000	1.15	0.26
## 307	0.000000	0.00	0.00
## 308	0.000000	1.40	0.08
## 309	0.000000	0.89	0.19
## 310	0.000000	0.00	0.00
## 311	0.000000	1.85	0.05
## 312	0.000000	1.58	0.63
## 313	0.000000	0.00	0.00
## 314	0.000000	0.00	0.00
## 315	0.000000	1.06	0.09
## 316	0.000000	0.00	0.00
## 317	0.000000	3.06	0.91
## 318	0.000000	2.03	2.13
## 319	0.000000	0.32	0.97
## 320	0.000000	1.05	1.75
## 321	0.000000	2.03	4.00
## 322	0.000000	0.70	2.35
## 323	0.000000	0.25	3.73
## 324	0.000000	2.24	2.45
## 325	0.000000	0.20	4.35
## 326	0.000000	0.00	0.00
## 327	0.000000	2.33	0.58

## 328	0.000000	0.00	4.22
## 329	0.000000	3.27	4.56
## 330	0.000000	5.62	0.43
## 331	0.000000	0.45	4.22
## 332	0.000000	0.00	0.42
## 333	0.000000	1.37	0.29
## 334	0.000000	3.74	1.30
## 335	0.000000	3.69	2.10
## 336	0.000000	2.67	1.98
## 337	0.000000	1.54	6.48
## 338	0.000000	3.32	1.74
## 339	0.000000	1.81	4.58
## 340	0.000000	1.76	4.11
## 341	0.000000	3.11	2.51
## 342	0.000000	0.00	4.13
## 343	0.000000	0.68	5.24
## 344	0.000000	0.77	5.60
## 345	0.000000	0.07	5.40
## 346	0.000000	0.37	0.00
## 347	0.000000	0.15	0.24
## 348	0.000000	0.00	0.00
## 349	0.000000	0.00	0.00
## 350	0.000000	0.21	0.36
## 351	0.000000	0.45	0.37
## 352	0.000000	0.00	0.00
## 353	0.000000	0.00	0.00
## 354	0.000000	0.00	0.00
## 355	0.000000	0.00	0.00
## 356	0.000000	0.00	0.00
## 357	0.000000	0.00	0.00
## 358	0.000000	0.00	0.00
## 359	0.000000	0.00	0.00
## 360	0.000000	0.00	0.00
## 361	0.000000	0.00	0.00
## 362	0.000000	0.00	0.00
## 363	0.000000	0.00	0.00
## 364	0.000000	0.00	0.00
## 365	0.000000	0.00	0.00
## 366	0.000000	0.00	0.00
## 367	0.000000	0.00	0.04
## 368	0.000000	0.00	0.00
## 369	0.000000	0.67	1.04
## 370	0.000000	2.62	1.68
## 371	0.000000	0.00	0.00
## 372	0.000000	0.00	0.00
## 373	0.000000	0.00	0.00
## 374	0.000000	0.20	0.12
## 375	0.000000	0.00	0.00
## 376	0.000000	0.11	0.17
## 377	0.000000	0.00	0.00
## 378	0.000000	0.00	0.00
## 379	0.000000	0.00	0.00
## 380	0.000000	0.00	0.00
## 381	0.000000	0.21	0.26

## 382	0.000000	0.00	0.00
## 383	0.000000	0.53	0.59
## 384	0.000000	0.11	0.33
## 385	0.000000	0.00	0.00
## 386	0.000000	0.00	0.00
## 387	0.000000	0.00	0.00
## 388	0.000000	0.07	0.33
## 389	0.000000	0.00	0.00
## 390	0.000000	0.00	0.68
## 391	0.000000	0.00	0.00
## 392	0.000000	0.06	0.81
## 393	0.000000	0.00	0.00
## 394	0.000000	0.06	0.20
## 395	0.000000	0.00	0.28
## 396	0.000000	0.57	0.92
## 397	0.000000	0.41	1.92
## 398	0.000000	1.01	0.33
## 399	0.000000	0.45	0.79
## 400	0.000000	0.40	1.61
## 401	0.000000	0.00	0.00
## 402	0.000000	0.00	0.44
## 403	0.000000	0.58	1.07
## 404	0.000000	0.59	0.58
## 405	0.000000	2.63	1.41
## 406	0.000000	0.41	0.47
## 407	0.000000	0.19	1.05
## 408	0.000000	0.00	0.00
## 409	0.000000	0.14	0.56
## 410	0.000000	0.21	0.46
## 411	0.000000	0.20	0.74
## 412	0.000000	0.00	0.00
## 413	0.000000	0.00	0.00
## 414	0.000000	0.06	0.63
## 415	0.000000	0.13	1.07
## 416	0.000000	0.00	0.00
## 417	0.000000	0.21	0.40
## 418	0.000000	0.00	0.00
## 419	0.000000	3.56	0.40
## 420	0.000000	1.37	0.69
## 421	0.000000	1.10	1.72
## 422	0.000000	0.37	0.39
## 423	0.000000	3.30	1.11
## 424	0.000000	4.50	0.32
## 425	0.000000	1.08	0.51
## 426	0.000000	0.73	1.40
## 427	0.000000	0.94	1.06
## 428	0.000000	0.70	2.51
## 429	0.000000	1.29	0.43
## 430	0.000000	0.80	0.89
## 431	0.000000	0.70	2.00
## 432	0.000000	1.01	0.68
## 433	0.000000	3.77	0.08
## 434	0.000000	1.13	0.78
## 435	0.000000	2.79	0.93

## 436	0.000000	0.63	1.67
## 437	0.000000	2.11	2.09
## 438	0.000000	9.45	2.77
## 439	0.000000	9.89	1.26
## 440	0.000000	0.34	0.73
## 441	0.000000	0.81	0.65
## 442	0.000000	0.53	0.79
## 443	0.000000	0.00	0.00
## 444	0.000000	0.00	0.00
## 445	0.000000	0.00	0.00
## 446	0.000000	0.00	0.00
## 447	0.000000	0.00	0.00
## 448	0.000000	0.00	0.00
## 449	0.000000	0.00	0.00
## 450	0.000000	2.00	0.29
## 451	0.000000	0.00	0.00
## 452	0.000000	0.00	0.00
## 453	0.000000	0.00	0.00
## 454	0.000000	0.00	0.00
## 455	0.000000	0.00	0.00
## 456	0.000000	0.00	0.00
## 457	0.000000	0.00	0.00
## 458	0.000000	2.41	0.04
## 459	0.000000	2.62	0.03
## 460	0.000000	0.00	0.00
## 461	0.000000	0.00	0.00
## 462	0.000000	0.00	0.00
## 463	0.000000	0.00	0.00
## 464	0.000000	2.21	0.19
## 465	0.000000	2.48	0.11
## 466	0.000000	0.00	0.00
## 467	0.000000	0.12	0.24
## 468	0.000000	0.00	0.00
## 469	0.000000	2.13	0.19
## 470	0.000000	0.00	0.25
## 471	0.000000	0.00	0.00
## 472	0.000000	0.00	0.00
## 473	0.000000	2.25	1.00
## 474	0.000000	0.00	0.00
## 475	0.000000	0.00	0.00
## 476	0.000000	1.24	0.44
## 477	0.000000	0.00	0.00
## 478	0.000000	0.59	0.84
## 479	0.000000	0.55	0.75
## 480	0.000000	0.55	1.14
## 481	0.000000	0.98	0.93
## 482	0.000000	0.05	0.36
## 483	0.000000	0.00	0.00
## 484	0.000000	0.42	0.97
## 485	0.000000	1.37	1.50
## 486	0.000000	0.34	0.20
## 487	0.000000	0.00	0.00
## 488	0.000000	0.59	0.25
## 489	0.000000	0.43	2.03

## 490	0.000000	1.96	0.89
## 491	0.000000	0.02	0.27
## 492	0.000000	1.02	1.85
## 493	0.000000	0.47	1.89
## 494	0.000000	0.00	0.00
## 495	0.000000	0.00	0.00
## 496	0.000000	0.60	0.28
## 497	0.000000	0.00	0.00
## 498	0.000000	1.01	0.50
## 499	0.000000	0.00	0.00
## 500	0.000000	1.61	1.00
## 501	0.000000	1.80	0.50
## 502	0.000000	0.43	1.62
## 503	0.000000	0.74	1.12
## 504	0.000000	0.26	1.82
## 505	0.000000	0.00	0.00
## 506	0.000000	0.00	0.00
## 507	0.000000	0.00	0.00
## 508	0.000000	0.00	0.00
## 509	0.000000	0.07	0.42
## 510	0.000000	0.24	1.25
## 511	0.000000	0.96	3.46
## 512	0.000000	1.82	1.49
## 513	0.000000	0.88	0.37
## 514	0.000000	0.16	1.23
## 515	0.000000	0.31	2.05
## 516	0.000000	0.00	0.00
## 517	0.000000	0.76	3.24
## 518	0.000000	1.20	5.12
## 519	0.000000	0.49	0.82
## 520	0.000000	0.07	0.35
## 521	0.000000	0.09	0.80
## 522	0.000000	1.13	0.42
## 523	0.000000	1.06	0.92
## 524	0.000000	0.32	2.03
## 525	0.000000	0.00	0.00
## 526	0.000000	0.38	1.74
## 527	0.000000	0.00	0.00
## 528	0.000000	0.34	0.73
## 529	0.000000	0.67	0.22
## 530	0.000000	0.08	0.66
## 531	0.000000	0.37	2.31
## 532	0.000000	0.68	6.21
## 533	0.000000	0.00	0.57
## 534	0.000000	0.08	1.88
## 535	0.000000	0.78	2.16
## 536	0.000000	0.00	0.00
## 537	0.000000	1.37	0.79
## 538	0.000000	0.00	0.00
## 539	0.000000	4.00	2.45
## 540	0.000000	4.16	1.98
## 541	0.000000	0.00	0.00
## 542	0.000000	0.00	0.00
## 543	0.000000	0.00	0.00

## 544	0.000000	4.28	1.66
## 545	0.000000	0.00	0.00
## 546	0.000000	2.95	2.16
## 547	0.000000	1.38	0.63
## 548	0.000000	0.00	0.00
## 549	0.000000	0.00	0.00
## 550	0.000000	2.93	0.57
## 551	0.000000	2.37	0.93
## 552	0.000000	1.14	1.00
## 553	0.000000	3.71	0.75
## 554	0.000000	2.79	0.64
## 555	0.000000	0.00	0.00
## 556	0.000000	0.00	0.00
## 557	0.000000	1.06	0.41
## 558	0.000000	1.50	1.20
## 559	0.000000	0.00	0.00
## 560	0.000000	3.43	1.66
## 561	0.000000	1.52	0.54
## 562	0.000000	0.00	0.00
## 563	0.000000	0.22	0.47
## 564	0.000000	2.13	0.89
## 565	0.000000	3.87	1.61
## 566	0.000000	0.00	0.00
## 567	0.000000	0.58	0.40
## 568	0.000000	3.60	0.38
## 569	0.000000	0.32	0.22
## 570	0.000000	3.33	0.31
## 571	0.000000	3.92	1.60
## 572	0.000000	6.64	1.28
## 573	0.000000	5.98	0.83
## 574	0.000000	4.86	0.72
## 575	0.000000	7.02	0.64
## 576	0.000000	4.12	0.34
## 577	0.000000	3.65	1.66
## 578	0.000000	2.42	0.79
## 579	0.000000	1.21	0.36
## 580	0.000000	7.65	2.15
## 581	0.000000	1.35	0.67
## 582	0.000000	0.85	0.65
## 583	0.000000	1.81	0.40
## 584	0.000000	3.25	1.17
## 585	0.000000	2.84	0.61
## 586	0.000000	5.83	0.79
## 587	0.000000	5.31	1.44
## 588	0.000000	1.12	0.35
## 589	0.000000	4.52	0.15
## 590	0.000000	1.56	0.25
## 591	0.000000	2.50	0.47
## 592	0.000000	1.93	0.32
## 593	0.000000	0.00	0.00
## 594	0.000000	0.00	0.00
## 595	0.000000	1.43	0.14
## 596	0.000000	2.56	0.75
## 597	0.000000	1.83	0.30

## 598	0.000000	0.00	0.00
## 599	0.000000	0.00	0.00
## 600	0.000000	0.00	0.00
## 601	0.000000	0.00	0.28
## 602	0.000000	0.58	0.85
## 603	0.000000	0.00	0.00
## 604	0.000000	0.00	0.00
## 605	0.000000	0.00	0.00
## 606	0.000000	2.03	0.48
## 607	0.000000	0.98	0.40
## 608	0.000000	0.00	0.00
## 609	0.000000	0.00	0.00
## 610	0.000000	0.00	0.00
## 611	0.000000	0.00	0.00
## 612	0.000000	0.00	0.34
## 613	0.000000	0.00	0.00
## 614	0.000000	0.00	0.00
## 615	0.000000	0.00	0.00
## 616	0.000000	0.00	0.00
## 617	0.000000	0.00	0.00
## 618	0.000000	0.00	0.00
## 619	0.000000	0.00	0.00
## 620	0.000000	0.00	0.00
## 621	0.000000	0.00	0.00
## 622	0.000000	0.00	0.00
## 623	0.000000	0.00	0.00
## 624	0.000000	0.00	0.00
## 625	0.000000	0.00	0.00
## 626	0.000000	0.00	0.00
## 627	0.000000	0.00	0.00
## 628	0.000000	0.00	0.00
## 629	0.000000	0.00	0.00
## 630	0.000000	0.00	0.00
## 631	0.000000	1.14	0.79
## 632	0.000000	0.00	0.00
## 633	0.000000	0.00	0.00
## 634	0.000000	0.00	0.00
## 635	0.000000	0.00	0.00
## 636	0.000000	0.00	0.00
## 637	0.000000	0.00	0.00
## 638	0.000000	0.00	0.00
## 639	0.000000	0.68	0.18
## 640	0.000000	0.00	0.00
## 641	0.000000	0.00	0.00
## 642	0.000000	0.00	0.00
## 643	0.000000	0.00	0.00
## 644	0.000000	0.00	0.00
## 645	0.000000	0.66	2.75
## 646	0.000000	0.00	0.00
## 647	0.000000	0.00	0.00
## 648	0.000000	0.00	0.00
## 649	0.000000	0.00	0.00
## 650	0.000000	0.00	0.00
## 651	0.000000	0.00	0.00

## 652	0.000000	0.00	0.00
## 653	0.000000	0.00	0.00
## 654	0.000000	0.00	0.00
## 655	0.000000	0.00	0.00
## 656	0.000000	1.11	0.58
## 657	0.000000	0.87	0.86
## 658	0.000000	0.00	0.00
## 659	0.000000	2.52	0.81
## 660	0.000000	0.35	1.13
## 661	0.000000	2.00	0.77
## 662	0.000000	0.00	0.00
## 663	0.000000	3.77	1.74
## 664	0.000000	0.00	0.00
## 665	0.000000	0.00	0.00
## 666	0.000000	0.00	0.00
## 667	0.000000	0.77	0.62
## 668	0.000000	2.27	0.46
## 669	1.959596	3.48	0.87
## 670	0.000000	0.00	0.00
## 671	0.000000	0.06	0.20
## 672	0.000000	0.00	0.00
## 673	0.000000	0.16	0.16
## 674	0.000000	0.48	0.62
## 675	0.000000	0.00	0.00
## 676	0.000000	0.00	0.00
## 677	0.000000	0.00	0.00
## 678	0.000000	0.00	0.00
## 679	0.000000	0.47	0.93
## 680	0.000000	0.13	0.24
## 681	0.000000	3.40	0.83
## 682	0.000000	0.57	1.21
## 683	0.000000	0.00	0.00
## 684	0.000000	0.00	0.00
## 685	0.000000	3.66	0.19
## 686	0.000000	0.33	0.68
## 687	0.000000	0.83	2.39
## 688	0.000000	2.10	2.13
## 689	0.000000	4.28	0.19
## 690	4.081692	3.99	2.10
## 691	0.000000	1.77	1.55
## 692	0.000000	4.20	2.00
## 693	0.000000	0.00	0.00
## 694	2.785175	3.02	1.68
## 695	0.000000	2.58	0.42
## 696	0.000000	0.55	2.02
## 697	0.000000	2.51	0.24
## 698	0.000000	0.82	0.48
## 699	0.000000	2.24	0.76
## 700	0.000000	0.00	0.00
## 701	0.000000	1.20	2.00
## 702	0.000000	1.74	2.04
## 703	0.000000	0.47	1.68
## 704	0.000000	0.99	1.16
## 705	0.000000	0.00	0.00

## 706	0.000000	0.00	0.00
## 707	0.000000	0.00	0.52
## 708	3.167822	3.90	1.18
## 709	0.000000	3.47	1.75
## 710	0.000000	1.49	0.31
## 711	0.000000	0.00	0.25
## 712	4.869783	4.50	0.38
## 713	4.851307	4.61	0.56
## 714	3.285415	2.95	0.34
## 715	0.000000	0.00	0.00
## 716	0.000000	0.00	0.00
## 717	0.000000	0.00	0.00
## 718	4.930550	3.79	2.12
## 719	4.942142	4.41	0.76
## 720	4.924841	4.79	0.67
## 721	0.000000	2.15	1.87
## 722	0.000000	4.10	1.76
## 723	0.000000	0.13	1.13
## 724	0.000000	0.00	0.00
## 725	4.861792	4.31	1.37
## 726	0.000000	0.93	0.94
## 727	4.885605	4.27	0.66
## 728	0.000000	1.09	0.77
## 729	4.911146	4.31	2.05
## 730	0.000000	0.00	0.00
## 731	0.000000	0.00	0.00
## 732	2.832326	4.64	0.70
## 733	4.912368	4.48	1.02
## 734	0.000000	0.00	0.00
## 735	4.878232	4.33	1.29
## 736	0.000000	3.00	0.81
## 737	0.000000	0.00	0.00
## 738	0.000000	5.27	0.15
## 739	0.000000	0.56	0.21
## 740	0.000000	2.03	0.33
## 741	0.000000	2.04	1.11
## 742	0.000000	0.00	0.00
## 743	0.000000	0.00	0.00
## 744	0.000000	3.17	1.22
## 745	0.000000	3.53	1.23
## 746	0.000000	7.64	0.45
## 747	0.000000	1.36	0.30
## 748	0.000000	2.87	0.97
## 749	0.000000	0.00	0.00
## 750	0.000000	0.00	0.00
## 751	0.000000	3.75	0.70
## 752	0.000000	4.16	0.77
## 753	0.000000	5.63	0.18
## 754	0.000000	2.79	1.64
## 755	0.000000	0.49	0.45
## 756	0.000000	3.12	1.04
## 757	0.000000	2.30	0.90
## 758	0.000000	3.48	0.66
## 759	0.000000	2.74	0.85

## 760	0.000000	5.28	0.12
## 761	0.000000	1.78	0.83
## 762	0.000000	3.82	1.43
## 763	0.000000	1.46	2.33
## 764	0.000000	2.31	1.53
## 765	0.000000	4.26	1.71
## 766	0.000000	7.11	1.20
## 767	0.000000	2.89	1.39
## 768	0.000000	0.38	0.27
## 769	0.000000	11.64	0.39
## 770	0.000000	10.43	0.47
## 771	0.000000	12.34	0.21
## 772	0.000000	13.26	0.39
## 773	0.000000	9.36	0.27
## 774	0.000000	9.24	0.80
## 775	0.000000	9.08	0.23
## 776	0.000000	9.22	0.31
## 777	0.000000	9.58	0.23
## 778	0.000000	9.67	0.25
## 779	0.000000	6.26	0.15
## 780	0.000000	12.54	0.63
## 781	0.000000	13.13	1.55
## 782	0.000000	11.37	0.46
## 783	0.000000	6.31	0.20
## 784	0.000000	6.46	0.43
## 785	0.000000	9.67	0.39
## 786	0.000000	6.17	0.31
## 787	0.000000	2.99	0.06
## 788	0.000000	0.00	0.00
## 789	0.000000	0.00	0.00
## 790	0.000000	8.39	0.93
## 791	0.000000	8.82	0.40
## 792	0.000000	8.85	0.45
## 793	0.000000	9.10	0.69
## 794	0.000000	12.44	0.88
## 795	0.000000	13.40	0.59
## 796	0.000000	6.12	0.57
## 797	0.000000	9.09	0.42
## 798	0.000000	6.08	0.28
## 799	0.000000	2.95	0.20
## 800	0.000000	5.43	0.14
## 801	0.000000	4.17	0.63
## 802	0.000000	1.93	0.99
## 803	0.000000	0.00	0.00
## 804	0.000000	0.43	3.27
## 805	0.000000	5.43	0.15
## 806	0.000000	1.04	0.63
## 807	0.000000	0.00	0.00
## 808	0.000000	0.33	0.82
## 809	0.000000	5.88	0.93
## 810	0.000000	0.00	0.00
## 811	0.000000	2.09	1.04
## 812	0.000000	5.60	0.19
## 813	0.000000	0.36	2.39

## 814	0.000000	1.18	0.49
## 815	0.000000	6.24	0.23
## 816	0.000000	0.67	0.78
## 817	0.000000	1.29	0.54
## 818	0.000000	0.00	0.00
## 819	2.253081	0.83	0.71
## 820	2.092147	4.96	0.65
## 821	2.253081	5.62	1.03
## 822	0.000000	4.91	1.15
## 823	0.000000	5.37	1.07
## 824	0.000000	0.00	0.00
## 825	2.092147	5.05	0.56
## 826	2.253081	5.30	0.88
## 827	2.092147	2.23	0.44
## 828	2.253081	6.90	0.82
## 829	2.092147	4.91	0.59
## 830	0.000000	1.52	0.52
## 831	0.000000	0.00	0.00
## 832	2.092147	5.05	0.87
## 833	0.000000	7.51	0.92
## 834	0.000000	0.33	0.18
## 835	0.000000	0.90	0.49
## 836	0.000000	0.25	0.36
## 837	0.000000	0.00	0.00
## 838	0.000000	6.03	0.56
## 839	2.092147	0.63	0.17
## 840	2.253081	1.34	1.06
## 841	0.000000	1.56	0.49
## 842	2.253081	0.89	0.16
## 843	2.092147	1.55	0.25
## 844	0.000000	0.00	0.00
## 845	0.000000	0.00	0.00
## 846	2.092147	1.27	0.66
## 847	2.253081	0.66	0.64
## 848	2.092147	1.39	0.59
## 849	0.000000	0.65	0.27
## 850	0.000000	0.00	0.33
## 851	0.000000	0.15	0.97
## 852	0.000000	0.00	0.00
## 853	0.000000	0.00	0.00
## 854	0.000000	0.00	0.00
## 855	0.000000	0.00	0.00
## 856	0.000000	0.31	1.06
## 857	0.000000	0.53	0.48
## 858	0.000000	0.00	1.04
## 859	0.000000	2.63	1.02
## 860	0.000000	0.29	2.41
## 861	0.000000	0.53	2.03
## 862	0.000000	0.15	2.05
## 863	0.000000	1.47	0.24
## 864	0.000000	0.07	4.22
## 865	0.000000	6.60	0.27
## 866	0.000000	0.00	1.20
## 867	0.000000	3.90	3.00

## 868	0.000000	0.15	1.28
## 869	0.000000	0.78	0.12
## 870	0.000000	0.00	0.00
## 871	0.000000	0.00	0.00
## 872	0.000000	0.00	0.00
## 873	0.000000	0.00	0.00
## 874	0.000000	0.14	1.19
## 875	0.000000	0.00	0.00
## 876	0.000000	0.22	3.31
## 877	0.000000	5.76	0.17
## 878	0.000000	0.69	2.01
## 879	0.000000	0.37	3.24
## 880	0.000000	0.00	0.00
## 881	0.000000	0.00	0.00
## 882	0.000000	0.00	0.00
## 883	0.000000	0.00	0.00
## 884	0.000000	0.00	0.00
## 885	0.000000	0.00	0.00
## 886	0.000000	0.00	0.00
## 887	0.000000	0.00	0.00
## 888	0.000000	0.00	0.00
## 889	0.000000	0.00	0.28
## 890	0.000000	0.00	0.00
## 891	0.000000	0.05	0.28
## 892	0.000000	0.16	0.44
## 893	0.000000	0.04	0.05
## 894	0.000000	0.00	0.00
## 895	0.000000	0.00	0.00
## 896	0.000000	0.00	0.00
## 897	0.000000	0.00	0.00
## 898	0.000000	0.14	0.28
## 899	0.000000	0.33	0.36
## 900	0.000000	0.00	0.00
## 901	0.000000	0.00	0.00
## 902	0.000000	0.00	0.00
## 903	0.000000	0.00	0.00
## 904	0.000000	0.00	0.00
## 905	0.000000	0.00	0.00
## 906	0.000000	0.00	0.00
## 907	0.000000	0.00	0.00
## 908	0.000000	0.00	0.00
## 909	0.000000	0.00	0.00
## 910	0.000000	12.22	0.34
## 911	0.000000	3.55	0.38
## 912	0.000000	10.55	0.59
## 913	0.000000	0.05	0.05
## 914	0.000000	13.24	1.21
## 915	0.000000	0.00	0.07
## 916	0.000000	2.44	0.27
## 917	0.000000	12.15	0.18
## 918	0.000000	11.02	0.69
## 919	0.000000	12.29	0.42
## 920	0.000000	10.23	0.03
## 921	0.000000	0.00	0.00

## 922	0.000000	11.01	0.01
## 923	0.000000	2.37	0.07
## 924	0.000000	1.76	0.13
## 925	0.000000	13.07	0.44
## 926	0.000000	4.93	0.38
## 927	0.000000	1.38	0.17
## 928	0.000000	21.66	0.08
## 929	0.000000	3.13	0.57
## 930	0.000000	0.00	0.00
## 931	0.000000	1.39	0.10
## 932	0.000000	10.42	0.31
## 933	0.000000	5.46	0.82
## 934	0.000000	12.79	0.29
## 935	0.000000	0.08	0.96
## 936	0.000000	1.08	0.20
## 937	0.000000	11.10	0.80
## 938	0.000000	1.35	0.46
## 939	0.000000	13.22	0.41
## 940	0.000000	1.82	0.04
##	light_active_distance	sedentary_active_distance	very_active_minutes
## 1	6.06	0.00	25
## 2	4.71	0.00	21
## 3	3.91	0.00	30
## 4	2.83	0.00	29
## 5	5.04	0.00	36
## 6	2.51	0.00	38
## 7	4.71	0.00	42
## 8	5.03	0.00	50
## 9	4.24	0.00	28
## 10	4.65	0.00	19
## 11	2.24	0.00	66
## 12	5.36	0.00	41
## 13	3.28	0.00	39
## 14	3.94	0.00	73
## 15	5.54	0.00	31
## 16	5.41	0.00	78
## 17	3.79	0.00	48
## 18	5.58	0.00	16
## 19	4.27	0.00	52
## 20	2.92	0.00	33
## 21	5.92	0.00	41
## 22	4.88	0.00	50
## 23	3.82	0.00	36
## 24	4.88	0.00	45
## 25	5.81	0.00	24
## 26	3.13	0.00	37
## 27	2.73	0.00	44
## 28	3.74	0.00	46
## 29	3.26	0.00	46
## 30	4.55	0.00	36
## 31	0.00	0.00	0
## 32	5.31	0.00	0
## 33	4.55	0.00	0
## 34	5.91	0.01	0

## 35	0.97	0.00	0
## 36	3.49	0.00	0
## 37	1.49	0.01	15
## 38	4.62	0.01	17
## 39	1.90	0.00	0
## 40	3.23	0.00	0
## 41	4.11	0.02	0
## 42	2.60	0.00	0
## 43	5.54	0.01	0
## 44	1.89	0.00	16
## 45	4.20	0.02	0
## 46	1.83	0.01	0
## 47	2.46	0.00	17
## 48	1.60	0.00	0
## 49	1.55	0.00	0
## 50	2.12	0.01	11
## 51	1.91	0.02	186
## 52	3.47	0.00	7
## 53	1.34	0.02	0
## 54	1.42	0.00	0
## 55	1.58	0.02	0
## 56	1.12	0.01	0
## 57	1.37	0.00	0
## 58	2.22	0.00	0
## 59	1.13	0.00	0
## 60	1.92	0.01	0
## 61	2.04	0.00	0
## 62	1.92	0.01	0
## 63	5.33	0.00	2
## 64	2.64	0.00	30
## 65	5.10	0.00	5
## 66	3.45	0.00	3
## 67	5.09	0.00	51
## 68	3.55	0.00	29
## 69	2.45	0.00	15
## 70	5.30	0.00	5
## 71	1.76	0.01	0
## 72	0.88	0.01	0
## 73	2.66	0.01	0
## 74	4.25	0.00	0
## 75	2.41	0.00	0
## 76	1.95	0.00	8
## 77	4.69	0.00	11
## 78	2.20	0.00	0
## 79	4.31	0.00	3
## 80	2.31	0.00	0
## 81	9.46	0.00	9
## 82	3.23	0.00	3
## 83	2.35	0.00	1
## 84	4.54	0.00	10
## 85	1.66	0.02	0
## 86	2.13	0.01	6
## 87	6.01	0.02	11
## 88	5.67	0.01	41

## 89	4.88	0.00	0
## 90	2.09	0.01	32
## 91	4.97	0.01	12
## 92	0.95	0.01	0
## 93	4.43	0.00	0
## 94	3.26	0.00	0
## 95	5.23	0.00	0
## 96	2.54	0.00	0
## 97	2.26	0.00	0
## 98	2.59	0.00	2
## 99	2.56	0.00	0
## 100	0.13	0.00	0
## 101	0.01	0.00	0
## 102	4.68	0.00	2
## 103	3.55	0.00	0
## 104	2.36	0.00	0
## 105	0.00	0.00	0
## 106	0.00	0.00	0
## 107	0.00	0.00	0
## 108	0.00	0.00	0
## 109	4.56	0.00	0
## 110	3.25	0.00	0
## 111	2.65	0.00	0
## 112	1.45	0.00	0
## 113	0.00	0.00	0
## 114	2.68	0.00	0
## 115	1.37	0.00	0
## 116	1.48	0.00	0
## 117	0.03	0.00	0
## 118	0.00	0.00	0
## 119	0.00	0.00	0
## 120	0.00	0.00	0
## 121	0.00	0.00	0
## 122	0.00	0.00	0
## 123	0.00	0.00	0
## 124	0.47	0.00	0
## 125	0.25	0.00	0
## 126	1.10	0.00	0
## 127	0.68	0.00	0
## 128	0.00	0.00	0
## 129	0.00	0.00	0
## 130	0.17	0.00	0
## 131	0.00	0.00	0
## 132	0.00	0.00	0
## 133	0.00	0.00	0
## 134	0.10	0.00	0
## 135	2.04	0.00	0
## 136	1.14	0.00	1
## 137	0.11	0.00	0
## 138	2.60	0.00	0
## 139	0.00	0.00	0
## 140	1.16	0.00	0
## 141	0.00	0.00	0
## 142	0.00	0.00	0

## 143	0.83	0.00	14
## 144	1.16	0.00	16
## 145	0.18	0.00	10
## 146	1.24	0.00	0
## 147	0.00	0.00	0
## 148	1.45	0.00	0
## 149	1.04	0.00	0
## 150	0.00	0.00	0
## 151	0.00	0.00	0
## 152	0.00	0.00	0
## 153	0.00	0.00	0
## 154	0.00	0.00	0
## 155	4.26	0.00	42
## 156	5.41	0.00	43
## 157	4.82	0.00	32
## 158	5.78	0.00	27
## 159	3.39	0.00	41
## 160	6.88	0.00	28
## 161	6.30	0.00	48
## 162	5.00	0.00	31
## 163	5.40	0.00	48
## 164	4.31	0.00	104
## 165	4.47	0.00	52
## 166	4.21	0.00	0
## 167	4.58	0.00	37
## 168	4.46	0.00	44
## 169	5.11	0.00	55
## 170	5.12	0.00	19
## 171	5.39	0.00	6
## 172	5.50	0.00	21
## 173	10.57	0.00	13
## 174	4.50	0.00	25
## 175	4.33	0.00	36
## 176	4.28	0.00	72
## 177	4.85	0.00	36
## 178	4.70	0.00	55
## 179	4.64	0.00	24
## 180	3.02	0.00	20
## 181	2.31	0.00	0
## 182	5.64	0.00	35
## 183	5.56	0.00	57
## 184	3.99	0.00	58
## 185	4.44	0.00	16
## 186	2.20	0.00	3
## 187	3.10	0.00	0
## 188	2.05	0.00	0
## 189	2.37	0.00	0
## 190	1.58	0.00	0
## 191	0.52	0.00	0
## 192	2.06	0.00	0
## 193	1.50	0.00	0
## 194	4.48	0.00	0
## 195	1.53	0.00	0
## 196	1.81	0.00	0

## 197	7.71	0.00	0
## 198	2.16	0.00	0
## 199	3.73	0.00	0
## 200	3.68	0.00	0
## 201	3.77	0.00	0
## 202	3.95	0.00	0
## 203	4.71	0.00	0
## 204	2.93	0.00	0
## 205	2.28	0.00	0
## 206	4.35	0.00	0
## 207	3.72	0.00	0
## 208	4.07	0.00	0
## 209	7.54	0.00	0
## 210	5.08	0.00	0
## 211	2.60	0.00	0
## 212	3.45	0.00	0
## 213	6.60	0.00	0
## 214	0.16	0.00	0
## 215	5.32	0.00	0
## 216	5.51	0.00	0
## 217	6.01	0.00	13
## 218	4.90	0.00	0
## 219	2.68	0.00	0
## 220	3.51	0.00	0
## 221	3.40	0.00	0
## 222	4.18	0.00	0
## 223	4.14	0.00	0
## 224	3.66	0.00	0
## 225	4.34	0.00	0
## 226	1.81	0.00	1
## 227	3.76	0.00	0
## 228	3.42	0.00	0
## 229	2.80	0.00	0
## 230	1.99	0.00	3
## 231	2.30	0.00	0
## 232	1.16	0.00	0
## 233	1.03	0.00	0
## 234	0.62	0.00	0
## 235	3.07	0.00	0
## 236	0.52	0.00	0
## 237	1.88	0.00	5
## 238	3.16	0.00	20
## 239	0.81	0.00	0
## 240	3.11	0.00	0
## 241	3.29	0.00	0
## 242	4.97	0.00	0
## 243	3.47	0.00	0
## 244	2.08	0.00	0
## 245	4.20	0.00	0
## 246	4.33	0.00	0
## 247	1.79	0.00	0
## 248	4.20	0.00	28
## 249	3.41	0.00	19
## 250	3.94	0.00	1

## 251	5.43	0.00	1
## 252	5.53	0.00	66
## 253	3.26	0.00	1
## 254	3.79	0.00	11
## 255	4.44	0.00	0
## 256	4.78	0.00	11
## 257	3.38	0.00	23
## 258	2.92	0.00	9
## 259	7.15	0.00	32
## 260	6.26	0.00	0
## 261	4.60	0.00	15
## 262	3.95	0.00	0
## 263	5.32	0.00	26
## 264	3.60	0.00	0
## 265	0.03	0.00	0
## 266	4.88	0.00	2
## 267	4.88	0.02	0
## 268	5.32	0.00	0
## 269	5.69	0.01	0
## 270	3.51	0.01	47
## 271	1.34	0.00	0
## 272	4.89	0.00	1
## 273	5.36	0.00	0
## 274	4.66	0.01	22
## 275	5.47	0.01	2
## 276	4.42	0.02	46
## 277	4.02	0.01	28
## 278	1.62	0.00	46
## 279	4.95	0.00	0
## 280	5.24	0.00	2
## 281	2.36	0.00	46
## 282	2.91	0.00	28
## 283	2.18	0.00	20
## 284	4.26	0.01	5
## 285	3.44	0.00	7
## 286	4.83	0.02	0
## 287	4.66	0.01	1
## 288	5.56	0.00	0
## 289	4.03	0.00	13
## 290	4.61	0.01	0
## 291	0.55	0.00	75
## 292	2.64	0.00	46
## 293	5.19	0.00	0
## 294	5.55	0.01	0
## 295	4.32	0.01	0
## 296	5.11	0.00	0
## 297	3.23	0.01	0
## 298	5.27	0.02	16
## 299	4.65	0.01	6
## 300	5.06	0.02	0
## 301	4.70	0.03	0
## 302	4.36	0.01	11
## 303	3.35	0.00	20
## 304	5.24	0.02	0

## 305	2.38	0.02	15
## 306	4.64	0.01	18
## 307	2.61	0.01	0
## 308	3.58	0.00	20
## 309	3.49	0.02	14
## 310	4.09	0.00	0
## 311	3.87	0.01	22
## 312	3.19	0.01	24
## 313	3.76	0.00	0
## 314	6.22	0.01	0
## 315	2.42	0.01	17
## 316	2.09	0.00	0
## 317	2.01	0.00	44
## 318	2.55	0.00	31
## 319	3.82	0.00	5
## 320	3.26	0.00	15
## 321	2.97	0.00	31
## 322	3.92	0.00	11
## 323	3.82	0.00	4
## 324	3.96	0.00	19
## 325	3.28	0.00	2
## 326	4.06	0.00	0
## 327	3.06	0.00	33
## 328	3.85	0.00	0
## 329	2.17	0.00	30
## 330	2.41	0.00	50
## 331	2.95	0.00	7
## 332	4.62	0.00	0
## 333	3.22	0.00	15
## 334	2.71	0.00	36
## 335	3.41	0.00	43
## 336	2.41	0.00	41
## 337	3.02	0.00	24
## 338	4.53	0.00	47
## 339	2.89	0.00	14
## 340	2.71	0.00	14
## 341	2.67	0.00	29
## 342	3.59	0.00	0
## 343	3.17	0.00	9
## 344	3.55	0.00	8
## 345	3.31	0.00	1
## 346	0.13	0.00	4
## 347	5.68	0.00	4
## 348	0.00	0.00	0
## 349	0.03	0.00	0
## 350	0.77	0.00	36
## 351	0.59	0.00	65
## 352	0.01	0.00	0
## 353	0.04	0.00	0
## 354	0.00	0.00	0
## 355	0.00	0.00	0
## 356	0.00	0.00	0
## 357	0.00	0.00	0
## 358	0.00	0.00	0

## 359	0.00	0.00	0
## 360	0.00	0.00	0
## 361	0.00	0.00	0
## 362	0.00	0.00	0
## 363	0.00	0.00	0
## 364	0.00	0.00	0
## 365	0.00	0.00	0
## 366	0.00	0.00	0
## 367	0.29	0.00	0
## 368	3.15	0.05	0
## 369	5.58	0.00	13
## 370	4.04	0.07	38
## 371	3.10	0.01	0
## 372	3.58	0.00	0
## 373	4.15	0.00	0
## 374	2.94	0.00	3
## 375	3.87	0.04	0
## 376	2.33	0.00	2
## 377	0.41	0.00	0
## 378	3.94	0.00	0
## 379	4.37	0.00	0
## 380	0.00	0.00	0
## 381	2.44	0.00	3
## 382	0.00	0.00	0
## 383	1.31	0.00	8
## 384	6.44	0.00	1
## 385	3.80	0.00	0
## 386	3.18	0.00	0
## 387	0.02	0.00	0
## 388	1.12	0.00	1
## 389	5.99	0.00	0
## 390	5.31	0.00	0
## 391	0.35	0.00	0
## 392	2.15	0.00	1
## 393	3.31	0.00	0
## 394	2.47	0.00	1
## 395	5.93	0.00	0
## 396	5.15	0.00	8
## 397	4.91	0.00	6
## 398	5.94	0.00	13
## 399	4.12	0.00	6
## 400	3.51	0.00	6
## 401	0.84	0.00	0
## 402	5.71	0.00	0
## 403	4.83	0.00	8
## 404	5.85	0.00	8
## 405	5.45	0.00	27
## 406	5.46	0.00	6
## 407	4.08	0.00	3
## 408	2.46	0.00	0
## 409	6.25	0.00	2
## 410	5.70	0.00	3
## 411	5.18	0.00	3
## 412	0.01	0.00	0

## 413	0.00	0.00	0
## 414	3.88	0.00	1
## 415	5.62	0.00	10
## 416	6.73	0.00	0
## 417	4.45	0.00	6
## 418	3.58	0.00	0
## 419	5.14	0.00	27
## 420	5.77	0.00	20
## 421	5.29	0.00	19
## 422	6.98	0.00	7
## 423	4.92	0.00	77
## 424	5.35	0.00	58
## 425	6.30	0.00	14
## 426	7.84	0.00	11
## 427	5.27	0.00	14
## 428	5.39	0.00	11
## 429	6.03	0.00	19
## 430	5.42	0.00	13
## 431	6.94	0.00	14
## 432	6.20	0.00	12
## 433	4.55	0.00	33
## 434	7.88	0.00	18
## 435	5.80	0.00	35
## 436	5.09	0.00	12
## 437	5.93	0.00	33
## 438	5.33	0.00	120
## 439	3.23	0.00	107
## 440	6.79	0.00	6
## 441	6.46	0.00	13
## 442	6.53	0.00	8
## 443	2.59	0.00	0
## 444	2.20	0.00	0
## 445	1.99	0.00	0
## 446	2.67	0.00	0
## 447	4.83	0.00	0
## 448	2.65	0.00	0
## 449	1.52	0.00	0
## 450	1.95	0.00	25
## 451	1.39	0.00	0
## 452	1.39	0.00	0
## 453	2.54	0.00	0
## 454	4.58	0.00	0
## 455	2.93	0.00	0
## 456	3.36	0.00	0
## 457	2.27	0.00	0
## 458	1.96	0.00	29
## 459	2.38	0.00	32
## 460	3.01	0.00	0
## 461	3.13	0.00	0
## 462	4.18	0.00	0
## 463	3.51	0.00	0
## 464	2.35	0.00	27
## 465	2.58	0.00	30
## 466	1.96	0.00	0

## 467	2.18	0.00	2
## 468	3.03	0.00	0
## 469	1.25	0.00	26
## 470	4.65	0.00	0
## 471	3.54	0.00	0
## 472	2.63	0.00	0
## 473	2.86	0.00	34
## 474	0.52	0.00	0
## 475	3.39	0.00	0
## 476	1.61	0.00	19
## 477	4.49	0.00	0
## 478	3.73	0.00	17
## 479	3.50	0.00	8
## 480	4.71	0.00	7
## 481	4.00	0.00	14
## 482	3.16	0.00	1
## 483	3.17	0.00	0
## 484	7.70	0.00	6
## 485	3.47	0.00	20
## 486	4.01	0.00	5
## 487	5.65	0.00	0
## 488	4.51	0.00	18
## 489	3.59	0.00	12
## 490	3.46	0.00	27
## 491	5.95	0.00	1
## 492	2.31	0.00	15
## 493	4.46	0.00	7
## 494	2.27	0.00	0
## 495	5.22	0.00	0
## 496	2.60	0.00	21
## 497	3.46	0.00	0
## 498	5.51	0.00	14
## 499	2.48	0.00	0
## 500	2.83	0.00	23
## 501	2.02	0.00	66
## 502	5.52	0.00	6
## 503	2.39	0.00	11
## 504	3.94	0.00	4
## 505	4.17	0.00	0
## 506	5.85	0.00	0
## 507	5.58	0.00	0
## 508	6.37	0.00	0
## 509	4.79	0.00	1
## 510	7.54	0.00	3
## 511	5.88	0.00	12
## 512	4.07	0.00	22
## 513	4.19	0.00	10
## 514	5.73	0.00	2
## 515	2.94	0.00	4
## 516	1.35	0.00	0
## 517	8.27	0.00	9
## 518	5.88	0.00	15
## 519	6.11	0.00	6
## 520	4.54	0.00	1

## 521	4.78	0.00	1
## 522	5.77	0.00	14
## 523	6.07	0.00	12
## 524	5.88	0.00	4
## 525	0.00	0.00	0
## 526	3.76	0.00	5
## 527	7.67	0.00	0
## 528	5.54	0.00	4
## 529	6.09	0.00	8
## 530	4.87	0.00	1
## 531	8.97	0.00	5
## 532	3.54	0.00	9
## 533	6.10	0.00	0
## 534	6.65	0.00	1
## 535	4.98	0.00	10
## 536	2.23	0.00	0
## 537	5.41	0.00	19
## 538	3.16	0.00	0
## 539	4.67	0.00	61
## 540	4.71	0.00	58
## 541	3.77	0.00	0
## 542	0.43	0.00	0
## 543	2.43	0.00	0
## 544	4.18	0.00	69
## 545	1.77	0.00	0
## 546	2.96	0.00	47
## 547	5.60	0.00	25
## 548	2.68	0.00	0
## 549	1.18	0.00	0
## 550	3.69	0.00	51
## 551	4.46	0.00	40
## 552	4.74	0.00	16
## 553	3.17	0.00	49
## 554	4.91	0.00	46
## 555	0.78	0.00	0
## 556	3.37	0.00	0
## 557	4.90	0.00	23
## 558	5.68	0.00	26
## 559	2.77	0.00	0
## 560	4.43	0.00	44
## 561	4.23	0.00	21
## 562	1.22	0.00	0
## 563	3.30	0.00	3
## 564	4.56	0.00	59
## 565	5.20	0.00	61
## 566	3.22	0.00	0
## 567	1.06	0.00	8
## 568	2.10	0.00	86
## 569	3.25	0.00	15
## 570	2.78	0.00	118
## 571	3.56	0.00	115
## 572	2.73	0.00	184
## 573	2.32	0.00	200
## 574	1.82	0.00	114

## 575	1.76	0.00	108
## 576	1.76	0.00	87
## 577	2.78	0.00	110
## 578	3.30	0.00	62
## 579	4.14	0.00	24
## 580	1.98	0.00	210
## 581	2.76	0.00	61
## 582	2.47	0.00	38
## 583	2.93	0.00	63
## 584	3.01	0.00	99
## 585	2.47	0.00	97
## 586	2.61	0.00	207
## 587	3.24	0.00	194
## 588	4.07	0.00	37
## 589	3.57	0.00	97
## 590	2.08	0.00	25
## 591	2.67	0.00	45
## 592	1.45	0.00	41
## 593	0.00	0.00	0
## 594	0.00	0.00	0
## 595	0.99	0.00	34
## 596	3.35	0.00	104
## 597	0.89	0.00	45
## 598	0.00	0.00	0
## 599	0.00	0.00	0
## 600	0.00	0.00	0
## 601	10.30	0.00	0
## 602	9.48	0.00	7
## 603	5.40	0.00	0
## 604	3.89	0.00	0
## 605	8.41	0.00	0
## 606	5.52	0.00	26
## 607	5.62	0.00	11
## 608	6.20	0.00	0
## 609	8.68	0.00	0
## 610	5.76	0.00	0
## 611	0.00	0.00	0
## 612	6.87	0.00	0
## 613	7.11	0.00	0
## 614	2.60	0.00	0
## 615	7.24	0.00	0
## 616	5.28	0.00	0
## 617	6.73	0.00	0
## 618	3.73	0.00	0
## 619	0.00	0.00	0
## 620	2.26	0.00	0
## 621	7.40	0.00	0
## 622	2.68	0.00	0
## 623	5.54	0.00	0
## 624	5.53	0.00	0
## 625	3.38	0.00	0
## 626	3.45	0.00	0
## 627	5.39	0.01	0
## 628	5.77	0.03	0

## 629	7.17	0.01	0
## 630	6.27	0.01	0
## 631	4.00	0.00	31
## 632	5.19	0.02	0
## 633	5.39	0.01	0
## 634	4.80	0.01	0
## 635	0.00	0.00	0
## 636	4.72	0.00	0
## 637	0.00	0.00	33
## 638	4.46	0.00	0
## 639	5.03	0.01	8
## 640	0.00	0.00	0
## 641	4.18	0.03	0
## 642	4.33	0.00	0
## 643	0.00	0.00	0
## 644	5.09	0.01	0
## 645	4.00	0.02	8
## 646	5.11	0.02	0
## 647	4.57	0.00	0
## 648	4.40	0.01	0
## 649	4.79	0.00	0
## 650	4.59	0.03	0
## 651	4.16	0.00	0
## 652	5.82	0.00	0
## 653	4.73	0.02	0
## 654	0.00	0.00	0
## 655	0.00	0.00	0
## 656	1.22	0.00	17
## 657	1.97	0.00	14
## 658	0.92	0.00	0
## 659	0.06	0.00	36
## 660	0.31	0.00	5
## 661	3.17	0.00	30
## 662	0.00	0.00	0
## 663	2.22	0.00	70
## 664	0.00	0.00	0
## 665	0.46	0.00	0
## 666	0.00	0.00	0
## 667	0.15	0.00	11
## 668	1.90	0.00	33
## 669	0.73	0.00	42
## 670	0.00	0.00	0
## 671	0.24	0.00	2
## 672	0.00	0.00	0
## 673	1.48	0.00	3
## 674	0.68	0.00	9
## 675	0.00	0.00	0
## 676	0.01	0.00	0
## 677	0.00	0.00	0
## 678	0.00	0.00	0
## 679	1.93	0.00	12
## 680	1.05	0.00	2
## 681	2.51	0.00	50
## 682	1.96	0.00	8

## 683	1.03	0.00	0
## 684	3.68	0.00	0
## 685	4.88	0.00	50
## 686	5.69	0.00	5
## 687	4.32	0.00	13
## 688	2.87	0.00	35
## 689	5.09	0.00	48
## 690	3.51	0.11	53
## 691	3.77	0.00	30
## 692	7.04	0.00	58
## 693	3.32	0.00	0
## 694	4.46	0.10	35
## 695	3.90	0.00	36
## 696	4.25	0.00	7
## 697	5.59	0.00	38
## 698	5.81	0.00	12
## 699	3.67	0.00	32
## 700	3.61	0.00	0
## 701	5.34	0.00	18
## 702	4.33	0.00	21
## 703	4.55	0.00	15
## 704	4.81	0.00	14
## 705	3.91	0.00	0
## 706	4.50	0.00	0
## 707	2.25	0.00	0
## 708	3.65	0.00	43
## 709	4.99	0.00	62
## 710	2.65	0.00	24
## 711	2.11	0.00	0
## 712	5.41	0.00	53
## 713	4.48	0.00	56
## 714	4.96	0.00	34
## 715	3.53	0.00	0
## 716	3.10	0.00	0
## 717	5.39	0.00	0
## 718	5.05	0.02	48
## 719	5.31	0.00	53
## 720	5.86	0.00	60
## 721	5.17	0.00	30
## 722	4.37	0.00	64
## 723	4.15	0.00	2
## 724	7.42	0.00	0
## 725	7.67	0.00	51
## 726	8.23	0.00	16
## 727	5.29	0.00	50
## 728	8.26	0.00	16
## 729	7.95	0.00	55
## 730	2.52	0.00	0
## 731	3.75	0.00	0
## 732	3.83	0.00	64
## 733	5.36	0.00	58
## 734	0.00	0.00	0
## 735	5.48	0.00	53
## 736	3.86	0.00	44

## 737	0.00	0.00	0
## 738	2.97	0.00	59
## 739	2.84	0.00	31
## 740	3.66	0.00	35
## 741	2.53	0.00	30
## 742	0.01	0.00	0
## 743	0.00	0.00	0
## 744	2.31	0.00	61
## 745	2.51	0.00	67
## 746	2.54	0.00	87
## 747	4.51	0.00	19
## 748	2.67	0.00	58
## 749	1.80	0.00	0
## 750	2.15	0.00	0
## 751	2.37	0.00	69
## 752	2.12	0.00	70
## 753	2.53	0.00	55
## 754	3.36	0.00	54
## 755	4.00	0.00	24
## 756	5.24	0.00	42
## 757	4.85	0.00	30
## 758	2.66	0.00	66
## 759	3.16	0.00	57
## 760	2.90	0.00	45
## 761	2.95	0.00	24
## 762	3.12	0.00	84
## 763	4.68	0.00	20
## 764	3.25	0.00	32
## 765	3.12	0.00	67
## 766	2.45	0.00	72
## 767	2.23	0.00	57
## 768	1.89	0.00	5
## 769	2.10	0.00	116
## 770	2.45	0.00	95
## 771	3.36	0.00	119
## 772	2.59	0.00	132
## 773	1.49	0.00	96
## 774	3.64	0.00	111
## 775	3.35	0.00	102
## 776	2.95	0.00	90
## 777	2.38	0.00	89
## 778	2.58	0.00	100
## 779	1.88	0.00	60
## 780	4.02	0.00	125
## 781	3.26	0.00	129
## 782	3.86	0.00	118
## 783	3.10	0.00	68
## 784	2.93	0.00	60
## 785	2.35	0.00	90
## 786	3.17	0.00	58
## 787	2.54	0.00	27
## 788	0.85	0.00	0
## 789	1.43	0.00	0
## 790	2.59	0.00	87

## 791	1.91	0.00	89
## 792	2.21	0.00	93
## 793	1.21	0.00	90
## 794	2.35	0.00	121
## 795	3.66	0.00	125
## 796	2.69	0.00	66
## 797	1.85	0.00	96
## 798	3.04	0.00	60
## 799	0.76	0.00	28
## 800	1.59	0.00	40
## 801	1.31	0.00	35
## 802	0.54	0.00	29
## 803	1.76	0.00	0
## 804	2.45	0.00	6
## 805	2.33	0.00	41
## 806	1.80	0.00	16
## 807	2.78	0.00	0
## 808	3.11	0.01	5
## 809	1.75	0.00	49
## 810	1.87	0.00	0
## 811	3.13	0.00	30
## 812	1.34	0.00	41
## 813	1.77	0.00	7
## 814	1.37	0.00	19
## 815	1.70	0.00	45
## 816	0.34	0.00	11
## 817	2.40	0.00	16
## 818	0.00	0.00	0
## 819	4.50	0.00	65
## 820	4.21	0.00	116
## 821	3.91	0.00	123
## 822	5.41	0.00	60
## 823	2.44	0.00	64
## 824	1.69	0.00	0
## 825	5.20	0.00	117
## 826	4.18	0.00	120
## 827	4.78	0.00	82
## 828	4.29	0.00	137
## 829	4.18	0.00	113
## 830	2.48	0.00	19
## 831	2.94	0.00	0
## 832	3.92	0.00	117
## 833	4.42	0.00	90
## 834	5.33	0.00	4
## 835	2.91	0.00	11
## 836	4.27	0.00	3
## 837	2.34	0.00	0
## 838	2.47	0.00	71
## 839	4.01	0.00	63
## 840	4.50	0.00	71
## 841	4.20	0.00	19
## 842	5.74	0.00	66
## 843	3.78	0.00	74
## 844	3.54	0.00	0

## 845	2.33	0.00	0
## 846	4.72	0.00	71
## 847	3.92	0.00	63
## 848	5.27	0.00	72
## 849	2.69	0.00	8
## 850	3.58	0.00	0
## 851	3.23	0.00	2
## 852	2.43	0.00	0
## 853	0.90	0.00	0
## 854	0.00	0.00	0
## 855	0.00	0.00	0
## 856	1.35	0.00	4
## 857	3.44	0.00	7
## 858	3.07	0.00	0
## 859	3.01	0.00	35
## 860	4.08	0.00	4
## 861	4.75	0.00	7
## 862	4.27	0.00	2
## 863	1.81	0.00	18
## 864	3.89	0.00	1
## 865	2.87	0.00	77
## 866	3.61	0.00	0
## 867	4.92	0.00	46
## 868	6.43	0.00	2
## 869	2.04	0.00	10
## 870	0.00	0.00	0
## 871	0.00	0.00	0
## 872	0.00	0.00	0
## 873	1.18	0.00	0
## 874	3.23	0.00	2
## 875	4.77	0.00	0
## 876	3.66	0.00	3
## 877	1.73	0.00	66
## 878	3.72	0.00	9
## 879	3.17	0.00	5
## 880	0.00	0.00	0
## 881	1.64	0.00	0
## 882	0.84	0.00	0
## 883	0.78	0.00	0
## 884	1.59	0.00	0
## 885	0.16	0.00	0
## 886	0.00	0.00	0
## 887	0.00	0.00	0
## 888	0.00	0.00	0
## 889	1.74	0.00	0
## 890	0.09	0.00	0
## 891	2.27	0.00	1
## 892	2.75	0.00	8
## 893	0.16	0.00	3
## 894	0.00	0.00	0
## 895	0.85	0.00	0
## 896	1.13	0.00	0
## 897	3.94	0.00	0
## 898	4.93	0.00	6

## 899	3.91	0.00	10	
## 900	1.04	0.00	0	
## 901	1.17	0.00	0	
## 902	1.55	0.00	0	
## 903	1.46	0.00	0	
## 904	0.00	0.00	0	
## 905	0.00	0.00	0	
## 906	0.00	0.00	0	
## 907	0.00	0.00	0	
## 908	0.00	0.00	0	
## 909	0.00	0.00	0	
## 910	7.82	0.00	85	
## 911	5.64	0.00	108	
## 912	7.75	0.02	68	
## 913	7.01	0.01	106	
## 914	10.71	0.00	94	
## 915	8.79	0.00	58	
## 916	5.94	0.00	29	
## 917	5.03	0.00	82	
## 918	6.34	0.00	73	
## 919	4.89	0.00	82	
## 920	5.97	0.05	61	
## 921	7.40	0.01	102	
## 922	4.69	0.00	64	
## 923	6.27	0.01	113	
## 924	6.50	0.00	22	
## 925	7.10	0.00	93	
## 926	5.97	0.00	58	
## 927	5.79	0.00	18	
## 928	4.93	0.00	124	
## 929	4.57	0.00	36	
## 930	3.56	0.00	0	
## 931	6.67	0.01	19	
## 932	5.53	0.00	66	
## 933	4.37	0.00	67	
## 934	6.16	0.00	96	
## 935	6.99	0.00	105	
## 936	6.80	0.00	17	
## 937	6.24	0.05	73	
## 938	6.28	0.00	18	
## 939	5.89	0.00	88	
## 940	4.25	0.00	23	
##	fairly_active_minutes	lightly_active_minutes	sedentary_minutes	calories
## 1	13	328	728	1985
## 2	19	217	776	1797
## 3	11	181	1218	1776
## 4	34	209	726	1745
## 5	10	221	773	1863
## 6	20	164	539	1728
## 7	16	233	1149	1921
## 8	31	264	775	2035
## 9	12	205	818	1786
## 10	8	211	838	1775
## 11	27	130	1217	1827

## 12	21	262	732	1949
## 13	5	238	709	1788
## 14	14	216	814	2013
## 15	23	279	833	1970
## 16	11	243	1108	2159
## 17	28	189	782	1898
## 18	12	243	815	1837
## 19	34	217	712	1947
## 20	35	246	730	1820
## 21	15	277	798	2004
## 22	24	254	816	1990
## 23	22	203	1179	1819
## 24	24	250	857	1959
## 25	6	289	754	1896
## 26	46	175	833	1821
## 27	8	203	574	1740
## 28	11	206	835	1819
## 29	31	214	746	1859
## 30	23	251	669	1783
## 31	0	0	1440	0
## 32	0	146	1294	1432
## 33	0	148	1292	1411
## 34	0	236	1204	1572
## 35	0	96	1344	1344
## 36	0	176	1264	1463
## 37	22	127	1276	1554
## 38	7	202	1214	1604
## 39	0	141	1299	1435
## 40	0	151	1289	1446
## 41	0	186	1254	1467
## 42	0	199	1241	1470
## 43	0	227	1213	1562
## 44	18	185	1221	1617
## 45	0	202	1238	1492
## 46	0	140	1300	1402
## 47	36	154	1233	1670
## 48	5	115	1320	1401
## 49	0	150	1290	1404
## 50	23	224	1182	1655
## 51	63	171	1020	2690
## 52	6	166	1261	1497
## 53	0	96	1344	1334
## 54	0	118	1322	1368
## 55	0	117	1323	1370
## 56	0	102	1338	1341
## 57	0	182	1258	1474
## 58	0	152	1288	1427
## 59	0	91	1349	1328
## 60	0	139	1301	1393
## 61	0	112	1328	1359
## 62	0	107	890	1002
## 63	51	256	1131	3199
## 64	16	135	1259	2902
## 65	58	252	1125	3226

## 66	4	170	1263	2750
## 67	42	212	1135	3493
## 68	13	186	1212	3011
## 69	33	121	1271	2806
## 70	58	278	1099	3300
## 71	0	125	1315	2430
## 72	0	38	1402	2140
## 73	0	86	1354	2344
## 74	15	160	1265	2677
## 75	0	89	1351	2413
## 76	1	94	1337	2497
## 77	41	223	1165	3123
## 78	0	118	1322	2489
## 79	53	227	1157	3108
## 80	0	120	1193	2498
## 81	71	402	816	3846
## 82	24	146	908	2696
## 83	7	148	682	2580
## 84	94	221	1115	3324
## 85	0	52	1388	2222
## 86	12	81	1341	2463
## 87	6	369	1054	3328
## 88	17	243	1139	3404
## 89	0	295	991	2987
## 90	6	303	1099	3008
## 91	19	155	1254	2799
## 92	0	49	713	1276
## 93	0	339	1101	2030
## 94	0	248	1192	1860
## 95	0	373	843	2130
## 96	0	176	527	1725
## 97	0	147	1293	1657
## 98	8	199	1231	1793
## 99	12	217	1211	1814
## 100	0	10	1430	1366
## 101	0	1	1439	1349
## 102	13	308	1117	2062
## 103	0	220	1220	1827
## 104	0	139	1301	1645
## 105	0	0	1440	1347
## 106	0	0	1440	1347
## 107	0	0	1440	1347
## 108	0	1	1439	1348
## 109	0	302	1138	1992
## 110	0	247	1082	1856
## 111	0	184	218	1763
## 112	7	75	585	1541
## 113	0	0	1440	1348
## 114	0	184	1256	1742
## 115	0	87	1353	1549
## 116	0	120	1320	1589
## 117	0	2	1438	1351
## 118	0	0	1440	1347
## 119	0	0	1440	1347

## 120	0	0	1440	1347
## 121	0	0	1440	1347
## 122	0	0	1440	1347
## 123	0	0	711	665
## 124	0	55	734	2220
## 125	0	32	986	2151
## 126	9	88	1292	2383
## 127	0	51	941	2221
## 128	0	0	1440	2064
## 129	0	0	1440	2063
## 130	0	17	1423	2111
## 131	0	0	1440	2063
## 132	0	0	1440	2063
## 133	0	0	1440	2064
## 134	0	10	1430	2093
## 135	0	145	1295	2499
## 136	6	75	1358	2324
## 137	0	12	1303	2100
## 138	0	192	1058	2638
## 139	0	0	1440	2063
## 140	0	95	1167	2351
## 141	0	0	1440	2063
## 142	0	0	1440	2064
## 143	1	70	1355	2411
## 144	8	94	1322	2505
## 145	0	17	1413	2195
## 146	0	87	1353	2338
## 147	0	0	1440	2063
## 148	0	108	1332	2383
## 149	0	48	1392	2229
## 150	0	0	1440	2063
## 151	0	0	1440	2063
## 152	0	0	1440	2063
## 153	0	0	1440	2063
## 154	0	0	966	1383
## 155	14	227	1157	2390
## 156	5	292	1100	2601
## 157	3	257	1148	2312
## 158	9	282	1122	2525
## 159	11	151	1237	2177
## 160	29	331	1052	2782
## 161	3	311	1078	2770
## 162	7	250	1152	2489
## 163	63	276	1053	2897
## 164	53	255	1028	3158
## 165	10	273	1105	2638
## 166	0	249	1191	2069
## 167	26	216	1161	2529
## 168	8	217	1171	2470
## 169	24	275	1086	2793
## 170	20	282	1119	2463
## 171	20	291	1123	2296
## 172	40	281	1098	2611
## 173	23	361	1043	2732

## 174	28	245	1142	2380
## 175	8	277	1119	2473
## 176	14	250	1104	2752
## 177	27	272	1105	2649
## 178	20	253	1112	2609
## 179	17	295	1104	2498
## 180	2	149	1269	1995
## 181	0	135	1305	1848
## 182	47	297	1061	2709
## 183	28	271	1084	2797
## 184	25	224	1133	2544
## 185	16	236	728	1853
## 186	8	181	706	1459
## 187	0	238	663	1521
## 188	0	197	653	1431
## 189	0	188	687	1444
## 190	0	150	728	1373
## 191	0	60	1053	1214
## 192	0	182	1062	1419
## 193	0	141	785	1356
## 194	0	327	623	1667
## 195	0	153	749	1370
## 196	0	162	712	1399
## 197	0	432	458	1916
## 198	0	164	704	1401
## 199	0	260	821	1576
## 200	0	288	1018	1595
## 201	0	286	586	1593
## 202	0	331	626	1649
## 203	0	352	492	1692
## 204	0	233	594	1506
## 205	0	191	716	1447
## 206	0	355	716	1690
## 207	0	304	981	1604
## 208	0	345	530	1658
## 209	0	475	479	1926
## 210	0	383	511	1736
## 211	0	229	665	1491
## 212	0	258	610	1555
## 213	0	401	543	1869
## 214	0	17	1002	1141
## 215	0	330	569	1698
## 216	0	343	330	1364
## 217	9	306	1112	2124
## 218	0	335	1105	2003
## 219	0	191	1249	1696
## 220	0	245	1195	1801
## 221	0	195	1245	1724
## 222	0	249	1191	1852
## 223	7	260	1173	1905
## 224	11	228	1201	1811
## 225	11	283	1146	1922
## 226	10	127	1302	1610
## 227	0	266	1174	1851

## 228	0	242	1129	1804
## 229	0	204	1236	1725
## 230	5	152	1280	1654
## 231	0	147	1293	1632
## 232	0	82	1358	1481
## 233	0	76	1364	1473
## 234	0	45	1395	1410
## 235	0	234	1206	1779
## 236	0	40	1400	1403
## 237	6	123	1306	1613
## 238	10	206	1204	1878
## 239	0	52	1388	1426
## 240	11	223	1206	1780
## 241	0	204	1236	1742
## 242	0	319	1121	1972
## 243	0	247	1193	1821
## 244	0	145	1295	1630
## 245	0	290	1150	1899
## 246	0	300	1140	1903
## 247	0	128	830	1125
## 248	13	320	964	2344
## 249	32	195	676	2038
## 250	48	206	705	2010
## 251	24	284	720	2133
## 252	72	268	968	2670
## 253	7	249	508	1882
## 254	16	206	678	1944
## 255	7	382	648	2346
## 256	43	269	1011	2198
## 257	26	208	761	2048
## 258	27	206	781	1946
## 259	35	360	591	2629
## 260	0	360	584	2187
## 261	11	277	653	2095
## 262	0	227	732	1861
## 263	9	295	623	2194
## 264	0	229	764	1854
## 265	0	4	2	403
## 266	21	356	1061	1982
## 267	8	404	1028	2004
## 268	0	331	1109	1893
## 269	0	448	992	2063
## 270	1	305	1087	2148
## 271	8	160	1272	1529
## 272	6	311	1122	1890
## 273	0	389	1051	1956
## 274	5	378	1035	2094
## 275	10	371	1057	1970
## 276	0	366	1028	2241
## 277	5	330	1077	2021
## 278	1	190	1203	1898
## 279	0	359	1081	1907
## 280	5	309	1124	1882
## 281	0	197	1197	1966

## 282	7	213	1192	1835
## 283	23	206	1191	1780
## 284	20	248	1167	1830
## 285	18	196	1219	1739
## 286	7	334	1099	1878
## 287	6	363	1070	1906
## 288	0	420	1020	2015
## 289	23	311	1093	1971
## 290	5	370	1065	1910
## 291	11	52	1302	1897
## 292	0	326	1068	2096
## 293	0	345	1095	1906
## 294	0	373	1067	1962
## 295	0	319	1121	1826
## 296	0	268	720	1431
## 297	0	280	1160	1788
## 298	8	371	1045	2093
## 299	25	370	1039	2065
## 300	0	335	1105	1908
## 301	0	356	1084	1908
## 302	2	322	1105	1964
## 303	7	343	1070	2014
## 304	0	376	1064	1985
## 305	3	274	1148	1867
## 306	9	376	1037	2124
## 307	0	206	1234	1669
## 308	2	303	1115	1995
## 309	7	292	1127	1921
## 310	0	416	1024	2010
## 311	2	333	1083	2057
## 312	13	346	1057	2095
## 313	0	385	1055	1972
## 314	0	402	1038	2044
## 315	4	300	1119	1946
## 316	0	172	842	1237
## 317	19	131	777	1450
## 318	46	153	754	1495
## 319	23	214	801	1433
## 320	42	183	644	1468
## 321	83	153	663	1625
## 322	58	205	600	1529
## 323	95	214	605	1584
## 324	67	221	738	1638
## 325	98	164	845	1554
## 326	0	242	712	1397
## 327	12	188	731	1481
## 328	92	252	724	1638
## 329	95	129	660	1655
## 330	9	133	781	1570
## 331	95	170	797	1551
## 332	10	176	714	1377
## 333	8	190	804	1407
## 334	32	150	744	1545
## 335	52	194	687	1650

## 336	40	124	691	1501
## 337	143	176	713	1760
## 338	41	258	594	1710
## 339	96	142	852	1628
## 340	88	178	680	1618
## 341	55	168	676	1590
## 342	86	208	703	1574
## 343	116	171	688	1633
## 344	122	151	1159	1667
## 345	115	196	676	1630
## 346	0	9	13	52
## 347	15	331	712	3654
## 348	0	0	1440	1981
## 349	0	3	1437	2011
## 350	18	87	1299	2951
## 351	21	55	1222	3051
## 352	0	2	1438	1990
## 353	0	2	1438	1995
## 354	0	0	1440	1980
## 355	0	0	1440	1980
## 356	0	0	1440	1980
## 357	0	0	1440	1980
## 358	0	0	1440	1980
## 359	0	0	1440	1980
## 360	0	0	1440	1980
## 361	0	0	1440	1980
## 362	0	0	1440	1980
## 363	0	0	1440	1980
## 364	0	0	1440	1980
## 365	0	0	1440	1980
## 366	0	0	1440	1980
## 367	11	31	1350	2207
## 368	0	174	950	2828
## 369	46	346	531	3879
## 370	42	196	916	3429
## 371	0	177	855	2704
## 372	0	184	1256	2975
## 373	0	263	775	3089
## 374	5	173	1225	2785
## 375	0	206	774	2926
## 376	8	134	1296	2645
## 377	0	21	721	1120
## 378	0	164	1276	2286
## 379	0	160	1280	2306
## 380	0	0	1440	1776
## 381	6	88	873	1527
## 382	0	0	1440	2115
## 383	15	96	1234	2135
## 384	9	339	589	2302
## 385	0	228	752	1985
## 386	0	194	724	1884
## 387	0	3	1363	1464
## 388	9	58	824	1632
## 389	0	311	604	2200

## 390	18	306	671	2220
## 391	0	34	1265	1792
## 392	19	176	709	1886
## 393	0	233	546	1945
## 394	5	191	692	1880
## 395	8	390	544	2314
## 396	21	288	649	2236
## 397	47	300	680	2324
## 398	8	359	552	2367
## 399	18	289	624	2175
## 400	38	196	695	2092
## 401	0	67	836	1593
## 402	11	344	585	2270
## 403	26	287	669	2235
## 404	13	313	1106	2282
## 405	34	328	957	2530
## 406	11	314	692	2266
## 407	28	279	586	2158
## 408	0	153	603	1792
## 409	14	374	490	2345
## 410	12	329	555	2260
## 411	18	311	574	2232
## 412	0	2	0	257
## 413	0	0	1440	2955
## 414	14	150	1275	3092
## 415	35	219	945	2998
## 416	0	299	837	3066
## 417	9	253	609	3073
## 418	0	201	721	2572
## 419	8	239	1017	3274
## 420	16	249	704	3015
## 421	42	228	696	3083
## 422	12	272	853	3069
## 423	25	220	945	3544
## 424	5	215	749	3306
## 425	8	239	584	2885
## 426	31	301	1054	3288
## 427	23	224	673	2929
## 428	48	241	684	3074
## 429	9	234	878	2969
## 430	16	236	1175	2979
## 431	43	300	537	3283
## 432	15	241	579	2926
## 433	4	204	935	3147
## 434	18	306	984	3290
## 435	21	251	632	3162
## 436	39	199	896	2899
## 437	45	262	1100	3425
## 438	56	260	508	4022
## 439	38	178	576	3934
## 440	19	258	1020	3013
## 441	14	267	648	3061
## 442	18	256	858	2954
## 443	0	108	825	1623

## 444	0	196	787	2113
## 445	0	194	840	2095
## 446	0	231	717	2194
## 447	0	350	711	2496
## 448	0	225	716	2180
## 449	0	114	1219	1933
## 450	6	162	1247	2248
## 451	0	121	895	1954
## 452	0	137	841	1974
## 453	0	215	756	2150
## 454	0	317	706	2432
## 455	0	201	1239	2149
## 456	0	244	1196	2247
## 457	0	179	916	2070
## 458	1	180	839	2291
## 459	1	194	839	2361
## 460	0	236	762	2203
## 461	0	226	1106	2196
## 462	0	290	797	2363
## 463	0	240	741	2246
## 464	4	200	667	2336
## 465	2	233	725	2421
## 466	0	180	897	2070
## 467	6	185	734	2120
## 468	0	229	809	2211
## 469	4	108	866	2123
## 470	8	308	733	2423
## 471	0	266	641	2281
## 472	0	231	783	2181
## 473	22	232	622	2499
## 474	0	58	380	1212
## 475	0	318	1122	1909
## 476	7	127	1287	1722
## 477	0	279	1161	1922
## 478	30	262	1131	2121
## 479	12	308	1112	1997
## 480	19	304	1110	2117
## 481	15	331	1080	2116
## 482	9	248	1182	1876
## 483	0	222	1218	1788
## 484	21	432	844	2486
## 485	25	273	1122	2094
## 486	5	308	1122	2085
## 487	0	395	1045	2173
## 488	10	340	993	2225
## 489	41	283	1062	2223
## 490	14	312	1087	2098
## 491	11	367	985	2185
## 492	29	197	1096	1918
## 493	29	293	1111	2105
## 494	0	190	1121	1692
## 495	0	383	1057	2066
## 496	10	237	1172	1953
## 497	0	252	1188	1842

## 498	8	370	1048	2262
## 499	0	202	1238	1722
## 500	16	233	1116	1973
## 501	35	238	1019	2666
## 502	30	339	1065	2223
## 503	18	220	1191	1889
## 504	31	324	1081	2131
## 505	0	247	736	1452
## 506	0	263	718	2947
## 507	0	258	777	2898
## 508	0	271	772	2984
## 509	8	256	944	2896
## 510	24	335	556	3328
## 511	66	302	437	3394
## 512	30	191	890	3013
## 513	8	179	757	2812
## 514	29	260	717	3061
## 515	41	144	901	2729
## 516	0	72	1341	2241
## 517	66	408	469	3691
## 518	95	281	542	3538
## 519	15	270	730	3064
## 520	8	216	765	2784
## 521	16	238	733	2908
## 522	9	232	738	3033
## 523	19	267	692	3165
## 524	36	263	728	3115
## 525	0	0	1440	2017
## 526	40	195	1131	2859
## 527	0	313	729	3145
## 528	15	251	757	3004
## 529	5	241	745	3006
## 530	16	207	682	2859
## 531	46	439	577	3683
## 532	125	192	1019	3287
## 533	12	253	746	2990
## 534	37	262	701	3172
## 535	41	235	784	3069
## 536	0	68	241	1240
## 537	13	277	767	2026
## 538	0	226	647	1718
## 539	41	256	693	2324
## 540	38	239	689	2254
## 541	0	288	521	1831
## 542	0	46	943	1397
## 543	0	206	622	1683
## 544	28	249	756	2284
## 545	0	148	598	1570
## 546	42	177	801	2066
## 547	16	270	781	2105
## 548	0	272	443	1776
## 549	0	104	582	1507
## 550	11	201	732	2033
## 551	18	238	750	2093

## 552	16	206	745	1922
## 553	13	165	727	1999
## 554	15	270	709	2169
## 555	0	84	506	1463
## 556	0	237	436	1747
## 557	9	227	724	1996
## 558	29	247	812	2116
## 559	0	224	651	1698
## 560	29	241	692	2156
## 561	9	229	761	1916
## 562	0	96	902	1494
## 563	8	210	505	1762
## 564	22	251	667	2272
## 565	40	265	707	2335
## 566	0	195	628	1693
## 567	6	48	222	741
## 568	16	140	728	3405
## 569	11	144	776	2551
## 570	30	176	662	4022
## 571	54	199	695	4005
## 572	56	158	472	4274
## 573	37	159	525	4552
## 574	32	130	623	3625
## 575	23	111	733	3501
## 576	16	113	773	3192
## 577	74	175	670	4018
## 578	30	200	823	3329
## 579	24	223	627	3152
## 580	65	141	425	4392
## 581	38	214	743	3374
## 582	32	181	759	3088
## 583	16	190	773	3294
## 584	51	141	692	3580
## 585	36	165	739	3544
## 586	45	163	621	4501
## 587	72	178	499	4546
## 588	20	235	732	3014
## 589	8	212	580	3795
## 590	9	141	631	2755
## 591	21	143	1153	3004
## 592	16	79	1304	2643
## 593	0	0	1440	1819
## 594	0	0	1440	1819
## 595	11	70	1099	2489
## 596	37	194	639	3841
## 597	15	63	257	1665
## 598	0	0	1440	1496
## 599	0	0	1440	1496
## 600	0	0	1440	1496
## 601	6	513	921	2865
## 602	15	518	502	2828
## 603	0	312	702	2225
## 604	0	241	759	2018
## 605	0	480	425	2606

## 606	10	349	587	2536
## 607	19	294	579	4900
## 608	0	402	413	2409
## 609	0	512	468	2651
## 610	0	362	711	2305
## 611	0	0	1440	1497
## 612	7	352	1077	2450
## 613	0	458	417	2576
## 614	0	141	758	1879
## 615	0	461	479	2560
## 616	0	343	1040	2275
## 617	0	397	525	2361
## 618	0	236	1204	2044
## 619	0	0	1440	1496
## 620	0	156	1279	1902
## 621	0	487	479	2636
## 622	0	133	673	1838
## 623	0	412	456	2469
## 624	0	318	517	2250
## 625	0	197	125	1248
## 626	0	199	1241	2560
## 627	0	350	1090	2905
## 628	0	363	1077	2952
## 629	0	328	1112	2896
## 630	0	258	1182	2783
## 631	12	225	1172	3171
## 632	0	271	1169	2766
## 633	0	321	1119	2839
## 634	0	258	1182	2701
## 635	0	0	1440	2060
## 636	0	302	1138	2796
## 637	0	0	1407	2664
## 638	0	258	1182	2703
## 639	3	249	1180	2771
## 640	0	0	1440	2060
## 641	0	287	1153	2743
## 642	0	255	1185	2687
## 643	0	0	1440	2060
## 644	0	324	1116	2843
## 645	95	282	1055	3327
## 646	0	268	1172	2725
## 647	0	240	1200	2671
## 648	0	272	1168	2718
## 649	0	239	1201	2682
## 650	0	305	1135	2806
## 651	0	227	1213	2613
## 652	0	251	1189	2712
## 653	0	264	800	2175
## 654	0	0	1440	0
## 655	0	0	1440	1841
## 656	18	85	1053	2400
## 657	24	105	863	2507
## 658	0	58	976	2127
## 659	18	9	1377	2225

## 660	24	19	1392	2067
## 661	31	146	1233	2798
## 662	0	0	1440	1841
## 663	113	178	1079	3727
## 664	0	0	1440	1841
## 665	0	20	1420	1922
## 666	0	0	1440	1841
## 667	18	11	1400	2053
## 668	13	92	1302	2484
## 669	30	47	1321	2584
## 670	0	0	1440	1841
## 671	13	15	1410	1993
## 672	0	0	1440	1841
## 673	9	84	1344	2280
## 674	34	50	1347	2319
## 675	0	0	1440	1841
## 676	0	1	1439	1843
## 677	0	0	1440	1841
## 678	0	0	1440	1841
## 679	35	75	1318	2496
## 680	5	49	551	1032
## 681	14	189	796	1994
## 682	24	142	548	1718
## 683	0	86	862	1466
## 684	0	217	837	1756
## 685	3	280	741	2173
## 686	13	295	634	2027
## 687	42	238	689	2039
## 688	41	195	659	2046
## 689	4	297	639	2174
## 690	27	214	708	2179
## 691	33	240	659	2086
## 692	41	347	484	2571
## 693	0	199	720	1705
## 694	31	282	637	2194
## 695	7	254	680	2012
## 696	38	279	697	2034
## 697	8	288	621	2182
## 698	15	369	645	2254
## 699	16	237	731	2002
## 700	0	215	722	1740
## 701	39	313	655	2162
## 702	36	267	654	2072
## 703	36	284	683	2086
## 704	22	305	591	2066
## 705	0	299	717	1850
## 706	0	328	745	1947
## 707	14	151	709	1659
## 708	21	231	607	2105
## 709	34	275	626	2361
## 710	7	199	709	1855
## 711	8	105	127	928
## 712	8	355	1024	2937
## 713	22	261	1101	2742

## 714	6	304	1096	2668
## 715	0	202	1238	2098
## 716	0	203	1155	2076
## 717	0	305	1135	2383
## 718	31	284	1077	2832
## 719	17	304	1066	2812
## 720	33	347	1000	3096
## 721	34	327	1049	2763
## 722	50	261	1065	2889
## 723	25	223	1190	2284
## 724	0	419	1021	2667
## 725	24	379	986	3055
## 726	22	424	978	2939
## 727	12	337	1041	2830
## 728	16	401	1007	2836
## 729	42	382	961	3180
## 730	0	200	1240	2051
## 731	0	237	1142	2225
## 732	14	250	1112	2642
## 733	31	330	1021	2976
## 734	0	0	1440	1557
## 735	23	317	1047	2933
## 736	13	247	1136	2553
## 737	0	0	111	120
## 738	6	153	745	2772
## 739	26	155	744	2516
## 740	32	189	787	2734
## 741	21	139	864	2395
## 742	0	3	1437	1635
## 743	0	0	1440	1629
## 744	51	114	1136	2743
## 745	69	124	671	2944
## 746	13	145	797	2997
## 747	6	206	758	2463
## 748	59	153	762	2846
## 749	0	90	1350	1965
## 750	0	125	566	2049
## 751	39	129	706	2752
## 752	33	132	726	2781
## 753	6	145	829	2693
## 754	48	161	810	2862
## 755	36	182	1198	2616
## 756	17	308	584	2995
## 757	15	258	685	2730
## 758	26	139	737	2754
## 759	36	152	761	2754
## 760	12	135	843	2655
## 761	14	149	1253	2386
## 762	35	154	834	2924
## 763	42	209	621	2739
## 764	27	147	695	2534
## 765	50	171	743	2960
## 766	23	106	1182	2800
## 767	40	128	757	2735

## 768	4	58	343	1199
## 769	8	123	1193	3186
## 770	12	156	1177	3140
## 771	5	193	1123	3411
## 772	8	158	1142	3410
## 773	6	83	1255	2867
## 774	21	195	1113	3213
## 775	6	195	1137	3133
## 776	7	191	1152	3114
## 777	5	158	695	3043
## 778	6	170	1164	3103
## 779	3	117	1260	2655
## 780	14	223	741	3554
## 781	33	182	1096	3577
## 782	9	209	1104	3403
## 783	5	185	1182	2846
## 784	10	183	1187	2852
## 785	9	153	1188	3062
## 786	8	159	1215	2794
## 787	1	131	1281	2408
## 788	0	51	1389	1886
## 789	0	95	1345	1988
## 790	22	165	1166	3023
## 791	8	123	1220	2918
## 792	9	130	1208	2950
## 793	15	90	1245	2859
## 794	20	148	1076	3331
## 795	14	228	1073	3589
## 796	12	148	1214	2765
## 797	10	115	1219	2926
## 798	7	184	1189	2809
## 799	4	39	839	1505
## 800	2	154	1244	2044
## 801	11	96	1298	1935
## 802	16	33	1362	1705
## 803	0	105	1335	1632
## 804	51	115	1268	1880
## 805	5	157	1237	2112
## 806	16	130	1278	1829
## 807	0	164	1276	1763
## 808	18	216	1201	1931
## 809	20	172	1199	2218
## 810	0	120	1320	1651
## 811	26	191	1193	2132
## 812	4	82	1313	1976
## 813	54	118	1261	1909
## 814	14	108	1299	1813
## 815	5	104	1286	2008
## 816	16	20	1393	1580
## 817	14	136	1257	1854
## 818	0	0	1440	0
## 819	15	156	723	3635
## 820	14	169	680	4079
## 821	21	174	699	4163

## 822	23	190	729	3666
## 823	21	142	563	3363
## 824	0	93	599	2572
## 825	10	174	720	4157
## 826	19	154	737	4092
## 827	8	169	763	3787
## 828	16	145	677	4236
## 829	12	159	769	4044
## 830	10	136	740	2908
## 831	0	135	734	2741
## 832	16	141	692	4005
## 833	18	161	593	3763
## 834	4	192	676	3061
## 835	10	139	711	2884
## 836	7	172	767	2982
## 837	0	121	780	2660
## 838	10	127	669	3369
## 839	4	142	802	3491
## 840	20	195	822	3784
## 841	10	167	680	3110
## 842	3	214	764	3783
## 843	5	166	831	3644
## 844	0	158	851	2799
## 845	0	139	621	2685
## 846	13	171	772	3721
## 847	13	152	840	3586
## 848	10	184	763	3788
## 849	6	102	433	1976
## 850	7	196	1237	2650
## 851	23	163	1252	2654
## 852	0	134	1306	2443
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## 854	0	0	1440	2693
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## 856	22	105	1309	2536
## 857	10	166	1257	2668
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## 859	18	158	1229	2883
## 860	54	212	1170	2944
## 861	44	238	1151	3012
## 862	44	206	1188	2889
## 863	6	122	1294	2547
## 864	91	214	1134	3093
## 865	5	129	1229	3142
## 866	28	203	1209	2757
## 867	67	258	1069	3513
## 868	28	317	1093	3164
## 869	2	117	1311	2596
## 870	0	0	1440	2894
## 871	0	0	1440	3212
## 872	0	0	1440	2516
## 873	0	70	1370	3266
## 874	22	166	1250	2683
## 875	0	250	1190	2810

## 876	72	182	1183	2940
## 877	4	110	1260	2947
## 878	43	162	1226	2846
## 879	71	177	1106	2804
## 880	0	0	1440	0
## 881	0	116	831	2044
## 882	0	82	806	1934
## 883	0	84	853	1963
## 884	0	126	937	2009
## 885	0	12	1428	1721
## 886	0	0	1440	1688
## 887	0	0	1440	1688
## 888	0	0	1440	1688
## 889	10	139	744	2188
## 890	0	9	1431	1720
## 891	20	195	817	2419
## 892	45	232	795	2748
## 893	8	19	1410	1799
## 894	0	0	1440	1688
## 895	0	80	1360	1928
## 896	0	112	900	2067
## 897	0	310	714	2780
## 898	14	380	634	3101
## 899	20	301	749	2896
## 900	0	79	834	1962
## 901	0	101	916	2015
## 902	0	156	739	2297
## 903	0	129	848	2067
## 904	0	0	1440	1688
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## 906	0	0	1440	1688
## 907	0	0	1440	1688
## 908	0	0	1440	1688
## 909	0	0	48	57
## 910	7	312	1036	3921
## 911	18	216	1098	3566
## 912	13	298	1061	3793
## 913	1	281	1052	3934
## 914	29	429	888	4547
## 915	15	307	1060	3545
## 916	5	191	1215	2761
## 917	13	214	1131	3676
## 918	19	225	1123	3679
## 919	13	226	1119	3659
## 920	2	236	1141	3427
## 921	6	300	1032	3891
## 922	1	227	1148	3455
## 923	8	218	1101	3802
## 924	3	258	1157	2860
## 925	8	235	1104	3808
## 926	8	231	1143	3060
## 927	5	210	1207	2698
## 928	4	223	1089	4398
## 929	12	166	1226	2786

## 930	0	105	1335	2189
## 931	3	229	1189	2817
## 932	8	212	1154	3477
## 933	15	188	1170	3052
## 934	17	232	1095	4015
## 935	28	271	1036	4142
## 936	4	245	1174	2847
## 937	19	217	1131	3710
## 938	11	224	1187	2832
## 939	12	213	1127	3832
## 940	1	137	770	1849

##	id	sleep_day	total_sleep_records	total_minutes_asleep
## 1	1503960366	4/12/2016 12:00:00 AM	1	327
## 2	1503960366	4/13/2016 12:00:00 AM	2	384
## 3	1503960366	4/15/2016 12:00:00 AM	1	412
## 4	1503960366	4/16/2016 12:00:00 AM	2	340
## 5	1503960366	4/17/2016 12:00:00 AM	1	700
## 6	1503960366	4/19/2016 12:00:00 AM	1	304
## 7	1503960366	4/20/2016 12:00:00 AM	1	360
## 8	1503960366	4/21/2016 12:00:00 AM	1	325
## 9	1503960366	4/23/2016 12:00:00 AM	1	361
## 10	1503960366	4/24/2016 12:00:00 AM	1	430
## 11	1503960366	4/25/2016 12:00:00 AM	1	277
## 12	1503960366	4/26/2016 12:00:00 AM	1	245
## 13	1503960366	4/28/2016 12:00:00 AM	1	366
## 14	1503960366	4/29/2016 12:00:00 AM	1	341
## 15	1503960366	4/30/2016 12:00:00 AM	1	404
## 16	1503960366	5/1/2016 12:00:00 AM	1	369
## 17	1503960366	5/2/2016 12:00:00 AM	1	277
## 18	1503960366	5/3/2016 12:00:00 AM	1	273
## 19	1503960366	5/5/2016 12:00:00 AM	1	247
## 20	1503960366	5/6/2016 12:00:00 AM	1	334
## 21	1503960366	5/7/2016 12:00:00 AM	1	331
## 22	1503960366	5/8/2016 12:00:00 AM	1	594
## 23	1503960366	5/9/2016 12:00:00 AM	1	338
## 24	1503960366	5/10/2016 12:00:00 AM	1	383
## 25	1503960366	5/11/2016 12:00:00 AM	1	285
## 26	1644430081	4/29/2016 12:00:00 AM	1	119
## 27	1644430081	4/30/2016 12:00:00 AM	1	124
## 28	1644430081	5/2/2016 12:00:00 AM	1	796
## 29	1644430081	5/8/2016 12:00:00 AM	1	137
## 30	1844505072	4/15/2016 12:00:00 AM	1	644
## 31	1844505072	4/30/2016 12:00:00 AM	1	722
## 32	1844505072	5/1/2016 12:00:00 AM	1	590
## 33	1927972279	4/12/2016 12:00:00 AM	3	750
## 34	1927972279	4/13/2016 12:00:00 AM	1	398
## 35	1927972279	4/15/2016 12:00:00 AM	2	475
## 36	1927972279	4/26/2016 12:00:00 AM	1	296
## 37	1927972279	4/28/2016 12:00:00 AM	1	166
## 38	2026352035	4/12/2016 12:00:00 AM	1	503
## 39	2026352035	4/13/2016 12:00:00 AM	1	531
## 40	2026352035	4/14/2016 12:00:00 AM	1	545
## 41	2026352035	4/15/2016 12:00:00 AM	1	523

## 42	2026352035	4/16/2016	12:00:00 AM	1	524
## 43	2026352035	4/17/2016	12:00:00 AM	1	437
## 44	2026352035	4/19/2016	12:00:00 AM	1	498
## 45	2026352035	4/20/2016	12:00:00 AM	1	461
## 46	2026352035	4/21/2016	12:00:00 AM	1	477
## 47	2026352035	4/22/2016	12:00:00 AM	1	520
## 48	2026352035	4/23/2016	12:00:00 AM	1	522
## 49	2026352035	4/24/2016	12:00:00 AM	1	555
## 50	2026352035	4/25/2016	12:00:00 AM	1	506
## 51	2026352035	4/27/2016	12:00:00 AM	1	508
## 52	2026352035	4/28/2016	12:00:00 AM	1	513
## 53	2026352035	4/29/2016	12:00:00 AM	1	490
## 54	2026352035	4/30/2016	12:00:00 AM	1	573
## 55	2026352035	5/1/2016	12:00:00 AM	1	527
## 56	2026352035	5/2/2016	12:00:00 AM	1	511
## 57	2026352035	5/4/2016	12:00:00 AM	1	538
## 58	2026352035	5/5/2016	12:00:00 AM	1	468
## 59	2026352035	5/6/2016	12:00:00 AM	1	524
## 60	2026352035	5/7/2016	12:00:00 AM	1	511
## 61	2026352035	5/8/2016	12:00:00 AM	1	541
## 62	2026352035	5/9/2016	12:00:00 AM	1	531
## 63	2026352035	5/10/2016	12:00:00 AM	1	357
## 64	2026352035	5/11/2016	12:00:00 AM	1	523
## 65	2026352035	5/12/2016	12:00:00 AM	1	456
## 66	2320127002	4/23/2016	12:00:00 AM	1	61
## 67	2347167796	4/13/2016	12:00:00 AM	1	467
## 68	2347167796	4/14/2016	12:00:00 AM	1	445
## 69	2347167796	4/15/2016	12:00:00 AM	1	452
## 70	2347167796	4/17/2016	12:00:00 AM	1	556
## 71	2347167796	4/18/2016	12:00:00 AM	1	500
## 72	2347167796	4/19/2016	12:00:00 AM	1	465
## 73	2347167796	4/21/2016	12:00:00 AM	1	460
## 74	2347167796	4/22/2016	12:00:00 AM	1	405
## 75	2347167796	4/23/2016	12:00:00 AM	1	374
## 76	2347167796	4/24/2016	12:00:00 AM	1	442
## 77	2347167796	4/25/2016	12:00:00 AM	1	433
## 78	2347167796	4/26/2016	12:00:00 AM	1	436
## 79	2347167796	4/27/2016	12:00:00 AM	1	448
## 80	2347167796	4/28/2016	12:00:00 AM	1	408
## 81	2347167796	4/29/2016	12:00:00 AM	1	411
## 82	3977333714	4/12/2016	12:00:00 AM	1	274
## 83	3977333714	4/13/2016	12:00:00 AM	2	295
## 84	3977333714	4/14/2016	12:00:00 AM	1	291
## 85	3977333714	4/15/2016	12:00:00 AM	1	424
## 86	3977333714	4/16/2016	12:00:00 AM	1	283
## 87	3977333714	4/17/2016	12:00:00 AM	1	381
## 88	3977333714	4/18/2016	12:00:00 AM	2	412
## 89	3977333714	4/19/2016	12:00:00 AM	1	219
## 90	3977333714	4/20/2016	12:00:00 AM	2	152
## 91	3977333714	4/21/2016	12:00:00 AM	1	332
## 92	3977333714	4/22/2016	12:00:00 AM	1	355
## 93	3977333714	4/23/2016	12:00:00 AM	1	235
## 94	3977333714	4/24/2016	12:00:00 AM	1	310
## 95	3977333714	4/25/2016	12:00:00 AM	1	262

## 96	3977333714	4/26/2016	12:00:00 AM	1	250
## 97	3977333714	4/27/2016	12:00:00 AM	1	349
## 98	3977333714	4/28/2016	12:00:00 AM	1	261
## 99	3977333714	4/29/2016	12:00:00 AM	1	333
## 100	3977333714	4/30/2016	12:00:00 AM	1	237
## 101	3977333714	5/1/2016	12:00:00 AM	1	383
## 102	3977333714	5/2/2016	12:00:00 AM	1	230
## 103	3977333714	5/3/2016	12:00:00 AM	1	292
## 104	3977333714	5/4/2016	12:00:00 AM	1	213
## 105	3977333714	5/5/2016	12:00:00 AM	1	318
## 106	3977333714	5/6/2016	12:00:00 AM	1	323
## 107	3977333714	5/7/2016	12:00:00 AM	1	237
## 108	3977333714	5/8/2016	12:00:00 AM	2	259
## 109	3977333714	5/10/2016	12:00:00 AM	1	312
## 110	4020332650	4/12/2016	12:00:00 AM	1	501
## 111	4020332650	4/16/2016	12:00:00 AM	1	77
## 112	4020332650	5/3/2016	12:00:00 AM	1	322
## 113	4020332650	5/4/2016	12:00:00 AM	1	478
## 114	4020332650	5/5/2016	12:00:00 AM	1	226
## 115	4020332650	5/6/2016	12:00:00 AM	1	385
## 116	4020332650	5/8/2016	12:00:00 AM	1	364
## 117	4020332650	5/10/2016	12:00:00 AM	1	442
## 118	4319703577	4/14/2016	12:00:00 AM	1	535
## 119	4319703577	4/15/2016	12:00:00 AM	1	465
## 120	4319703577	4/16/2016	12:00:00 AM	1	506
## 121	4319703577	4/18/2016	12:00:00 AM	1	515
## 122	4319703577	4/19/2016	12:00:00 AM	2	461
## 123	4319703577	4/20/2016	12:00:00 AM	1	523
## 124	4319703577	4/21/2016	12:00:00 AM	1	59
## 125	4319703577	4/22/2016	12:00:00 AM	1	533
## 126	4319703577	4/23/2016	12:00:00 AM	1	692
## 127	4319703577	4/24/2016	12:00:00 AM	1	467
## 128	4319703577	4/25/2016	12:00:00 AM	1	488
## 129	4319703577	4/26/2016	12:00:00 AM	1	505
## 130	4319703577	4/27/2016	12:00:00 AM	1	286
## 131	4319703577	4/28/2016	12:00:00 AM	1	497
## 132	4319703577	4/29/2016	12:00:00 AM	1	523
## 133	4319703577	4/30/2016	12:00:00 AM	1	490
## 134	4319703577	5/1/2016	12:00:00 AM	1	484
## 135	4319703577	5/2/2016	12:00:00 AM	1	478
## 136	4319703577	5/3/2016	12:00:00 AM	1	474
## 137	4319703577	5/6/2016	12:00:00 AM	1	450
## 138	4319703577	5/7/2016	12:00:00 AM	1	507
## 139	4319703577	5/8/2016	12:00:00 AM	1	602
## 140	4319703577	5/9/2016	12:00:00 AM	1	535
## 141	4319703577	5/10/2016	12:00:00 AM	1	487
## 142	4319703577	5/11/2016	12:00:00 AM	1	529
## 143	4319703577	5/12/2016	12:00:00 AM	1	302
## 144	4388161847	4/15/2016	12:00:00 AM	1	499
## 145	4388161847	4/16/2016	12:00:00 AM	2	426
## 146	4388161847	4/17/2016	12:00:00 AM	2	619
## 147	4388161847	4/18/2016	12:00:00 AM	1	99
## 148	4388161847	4/19/2016	12:00:00 AM	1	329
## 149	4388161847	4/20/2016	12:00:00 AM	1	421

## 150	4388161847	4/21/2016	12:00:00 AM	1	442
## 151	4388161847	4/22/2016	12:00:00 AM	1	82
## 152	4388161847	4/23/2016	12:00:00 AM	1	478
## 153	4388161847	4/24/2016	12:00:00 AM	3	552
## 154	4388161847	4/26/2016	12:00:00 AM	1	319
## 155	4388161847	4/27/2016	12:00:00 AM	1	439
## 156	4388161847	4/28/2016	12:00:00 AM	1	428
## 157	4388161847	4/30/2016	12:00:00 AM	2	409
## 158	4388161847	5/1/2016	12:00:00 AM	1	547
## 159	4388161847	5/2/2016	12:00:00 AM	2	368
## 160	4388161847	5/4/2016	12:00:00 AM	1	390
## 161	4388161847	5/5/2016	12:00:00 AM	1	471
## 162	4388161847	5/7/2016	12:00:00 AM	1	472
## 163	4388161847	5/8/2016	12:00:00 AM	2	529
## 164	4388161847	5/9/2016	12:00:00 AM	1	62
## 165	4388161847	5/10/2016	12:00:00 AM	1	354
## 166	4388161847	5/11/2016	12:00:00 AM	1	469
## 167	4445114986	4/12/2016	12:00:00 AM	2	429
## 168	4445114986	4/13/2016	12:00:00 AM	2	370
## 169	4445114986	4/14/2016	12:00:00 AM	1	441
## 170	4445114986	4/15/2016	12:00:00 AM	2	337
## 171	4445114986	4/16/2016	12:00:00 AM	1	462
## 172	4445114986	4/17/2016	12:00:00 AM	1	98
## 173	4445114986	4/19/2016	12:00:00 AM	2	388
## 174	4445114986	4/20/2016	12:00:00 AM	1	439
## 175	4445114986	4/21/2016	12:00:00 AM	1	436
## 176	4445114986	4/22/2016	12:00:00 AM	1	388
## 177	4445114986	4/25/2016	12:00:00 AM	1	328
## 178	4445114986	4/26/2016	12:00:00 AM	2	353
## 179	4445114986	4/27/2016	12:00:00 AM	1	332
## 180	4445114986	4/28/2016	12:00:00 AM	1	419
## 181	4445114986	4/29/2016	12:00:00 AM	1	106
## 182	4445114986	4/30/2016	12:00:00 AM	1	322
## 183	4445114986	5/1/2016	12:00:00 AM	2	439
## 184	4445114986	5/2/2016	12:00:00 AM	1	502
## 185	4445114986	5/3/2016	12:00:00 AM	2	417
## 186	4445114986	5/4/2016	12:00:00 AM	2	337
## 187	4445114986	5/5/2016	12:00:00 AM	2	462
## 188	4445114986	5/6/2016	12:00:00 AM	2	374
## 189	4445114986	5/7/2016	12:00:00 AM	2	401
## 190	4445114986	5/8/2016	12:00:00 AM	1	361
## 191	4445114986	5/9/2016	12:00:00 AM	1	457
## 192	4445114986	5/10/2016	12:00:00 AM	1	405
## 193	4445114986	5/11/2016	12:00:00 AM	1	499
## 194	4445114986	5/12/2016	12:00:00 AM	1	483
## 195	4558609924	4/21/2016	12:00:00 AM	1	126
## 196	4558609924	4/26/2016	12:00:00 AM	1	103
## 197	4558609924	4/29/2016	12:00:00 AM	1	171
## 198	4558609924	5/1/2016	12:00:00 AM	1	115
## 199	4558609924	5/8/2016	12:00:00 AM	1	123
## 200	4702921684	4/12/2016	12:00:00 AM	1	425
## 201	4702921684	4/13/2016	12:00:00 AM	2	400
## 202	4702921684	4/14/2016	12:00:00 AM	1	384
## 203	4702921684	4/15/2016	12:00:00 AM	1	253

## 204	4702921684	4/16/2016	12:00:00 AM	2	382
## 205	4702921684	4/17/2016	12:00:00 AM	1	591
## 206	4702921684	4/18/2016	12:00:00 AM	1	293
## 207	4702921684	4/19/2016	12:00:00 AM	1	457
## 208	4702921684	4/20/2016	12:00:00 AM	1	454
## 209	4702921684	4/21/2016	12:00:00 AM	1	425
## 210	4702921684	4/23/2016	12:00:00 AM	1	465
## 211	4702921684	4/24/2016	12:00:00 AM	1	480
## 212	4702921684	4/25/2016	12:00:00 AM	1	370
## 213	4702921684	4/26/2016	12:00:00 AM	1	421
## 214	4702921684	4/27/2016	12:00:00 AM	1	432
## 215	4702921684	4/28/2016	12:00:00 AM	1	442
## 216	4702921684	4/29/2016	12:00:00 AM	1	433
## 217	4702921684	4/30/2016	12:00:00 AM	1	479
## 218	4702921684	5/3/2016	12:00:00 AM	1	327
## 219	4702921684	5/4/2016	12:00:00 AM	1	412
## 220	4702921684	5/5/2016	12:00:00 AM	1	414
## 221	4702921684	5/6/2016	12:00:00 AM	1	404
## 222	4702921684	5/7/2016	12:00:00 AM	1	520
## 223	4702921684	5/9/2016	12:00:00 AM	1	435
## 224	4702921684	5/10/2016	12:00:00 AM	1	416
## 225	4702921684	5/11/2016	12:00:00 AM	1	354
## 226	4702921684	5/12/2016	12:00:00 AM	1	404
## 227	5553957443	4/12/2016	12:00:00 AM	1	441
## 228	5553957443	4/13/2016	12:00:00 AM	2	455
## 229	5553957443	4/14/2016	12:00:00 AM	1	357
## 230	5553957443	4/15/2016	12:00:00 AM	1	377
## 231	5553957443	4/16/2016	12:00:00 AM	2	651
## 232	5553957443	4/17/2016	12:00:00 AM	1	350
## 233	5553957443	4/18/2016	12:00:00 AM	2	520
## 234	5553957443	4/19/2016	12:00:00 AM	1	357
## 235	5553957443	4/20/2016	12:00:00 AM	1	658
## 236	5553957443	4/21/2016	12:00:00 AM	1	399
## 237	5553957443	4/22/2016	12:00:00 AM	1	322
## 238	5553957443	4/23/2016	12:00:00 AM	2	631
## 239	5553957443	4/24/2016	12:00:00 AM	2	553
## 240	5553957443	4/25/2016	12:00:00 AM	1	433
## 241	5553957443	4/26/2016	12:00:00 AM	1	412
## 242	5553957443	4/27/2016	12:00:00 AM	1	347
## 243	5553957443	4/28/2016	12:00:00 AM	1	421
## 244	5553957443	4/29/2016	12:00:00 AM	1	450
## 245	5553957443	4/30/2016	12:00:00 AM	2	775
## 246	5553957443	5/1/2016	12:00:00 AM	2	622
## 247	5553957443	5/2/2016	12:00:00 AM	1	409
## 248	5553957443	5/3/2016	12:00:00 AM	1	380
## 249	5553957443	5/4/2016	12:00:00 AM	1	447
## 250	5553957443	5/5/2016	12:00:00 AM	1	419
## 251	5553957443	5/6/2016	12:00:00 AM	1	400
## 252	5553957443	5/7/2016	12:00:00 AM	1	442
## 253	5553957443	5/8/2016	12:00:00 AM	1	568
## 254	5553957443	5/9/2016	12:00:00 AM	1	453
## 255	5553957443	5/10/2016	12:00:00 AM	1	418
## 256	5553957443	5/11/2016	12:00:00 AM	1	463
## 257	5553957443	5/12/2016	12:00:00 AM	1	438

## 258	5577150313	4/12/2016	12:00:00 AM	1	419
## 259	5577150313	4/13/2016	12:00:00 AM	1	432
## 260	5577150313	4/14/2016	12:00:00 AM	1	477
## 261	5577150313	4/15/2016	12:00:00 AM	1	392
## 262	5577150313	4/16/2016	12:00:00 AM	1	406
## 263	5577150313	4/17/2016	12:00:00 AM	1	549
## 264	5577150313	4/18/2016	12:00:00 AM	1	527
## 265	5577150313	4/19/2016	12:00:00 AM	1	449
## 266	5577150313	4/20/2016	12:00:00 AM	1	447
## 267	5577150313	4/21/2016	12:00:00 AM	1	414
## 268	5577150313	4/22/2016	12:00:00 AM	1	338
## 269	5577150313	4/23/2016	12:00:00 AM	1	384
## 270	5577150313	4/24/2016	12:00:00 AM	1	543
## 271	5577150313	4/25/2016	12:00:00 AM	1	421
## 272	5577150313	4/26/2016	12:00:00 AM	1	354
## 273	5577150313	4/27/2016	12:00:00 AM	1	424
## 274	5577150313	4/28/2016	12:00:00 AM	1	361
## 275	5577150313	4/29/2016	12:00:00 AM	1	459
## 276	5577150313	4/30/2016	12:00:00 AM	1	412
## 277	5577150313	5/1/2016	12:00:00 AM	1	379
## 278	5577150313	5/2/2016	12:00:00 AM	2	525
## 279	5577150313	5/3/2016	12:00:00 AM	1	508
## 280	5577150313	5/4/2016	12:00:00 AM	1	603
## 281	5577150313	5/5/2016	12:00:00 AM	1	74
## 282	5577150313	5/10/2016	12:00:00 AM	1	504
## 283	5577150313	5/11/2016	12:00:00 AM	1	431
## 284	6117666160	4/16/2016	12:00:00 AM	1	380
## 285	6117666160	4/17/2016	12:00:00 AM	2	336
## 286	6117666160	4/18/2016	12:00:00 AM	2	493
## 287	6117666160	4/19/2016	12:00:00 AM	1	465
## 288	6117666160	4/20/2016	12:00:00 AM	1	474
## 289	6117666160	4/21/2016	12:00:00 AM	1	508
## 290	6117666160	4/22/2016	12:00:00 AM	1	480
## 291	6117666160	4/23/2016	12:00:00 AM	1	492
## 292	6117666160	4/24/2016	12:00:00 AM	1	353
## 293	6117666160	4/27/2016	12:00:00 AM	1	542
## 294	6117666160	4/28/2016	12:00:00 AM	1	393
## 295	6117666160	4/29/2016	12:00:00 AM	1	600
## 296	6117666160	5/1/2016	12:00:00 AM	1	507
## 297	6117666160	5/5/2016	12:00:00 AM	1	392
## 298	6117666160	5/6/2016	12:00:00 AM	2	658
## 299	6117666160	5/7/2016	12:00:00 AM	2	498
## 300	6117666160	5/8/2016	12:00:00 AM	1	555
## 301	6117666160	5/9/2016	12:00:00 AM	1	492
## 302	6775888955	4/13/2016	12:00:00 AM	1	235
## 303	6775888955	4/14/2016	12:00:00 AM	1	423
## 304	6775888955	4/15/2016	12:00:00 AM	1	391
## 305	6962181067	4/12/2016	12:00:00 AM	1	366
## 306	6962181067	4/13/2016	12:00:00 AM	3	630
## 307	6962181067	4/14/2016	12:00:00 AM	2	508
## 308	6962181067	4/15/2016	12:00:00 AM	1	370
## 309	6962181067	4/16/2016	12:00:00 AM	1	357
## 310	6962181067	4/17/2016	12:00:00 AM	1	427
## 311	6962181067	4/18/2016	12:00:00 AM	1	442

## 312	6962181067	4/19/2016	12:00:00 AM	1	476
## 313	6962181067	4/20/2016	12:00:00 AM	1	418
## 314	6962181067	4/21/2016	12:00:00 AM	1	451
## 315	6962181067	4/22/2016	12:00:00 AM	1	425
## 316	6962181067	4/23/2016	12:00:00 AM	1	528
## 317	6962181067	4/24/2016	12:00:00 AM	1	511
## 318	6962181067	4/25/2016	12:00:00 AM	1	400
## 319	6962181067	4/26/2016	12:00:00 AM	1	441
## 320	6962181067	4/27/2016	12:00:00 AM	1	455
## 321	6962181067	4/28/2016	12:00:00 AM	1	440
## 322	6962181067	4/29/2016	12:00:00 AM	1	433
## 323	6962181067	4/30/2016	12:00:00 AM	1	422
## 324	6962181067	5/1/2016	12:00:00 AM	1	411
## 325	6962181067	5/2/2016	12:00:00 AM	1	466
## 326	6962181067	5/3/2016	12:00:00 AM	1	394
## 327	6962181067	5/4/2016	12:00:00 AM	1	442
## 328	6962181067	5/5/2016	12:00:00 AM	1	467
## 329	6962181067	5/6/2016	12:00:00 AM	1	443
## 330	6962181067	5/7/2016	12:00:00 AM	1	298
## 331	6962181067	5/8/2016	12:00:00 AM	1	541
## 332	6962181067	5/9/2016	12:00:00 AM	1	489
## 333	6962181067	5/10/2016	12:00:00 AM	1	469
## 334	6962181067	5/11/2016	12:00:00 AM	1	452
## 335	6962181067	5/12/2016	12:00:00 AM	1	516
## 336	7007744171	4/16/2016	12:00:00 AM	1	79
## 337	7007744171	5/1/2016	12:00:00 AM	1	58
## 338	7086361926	4/12/2016	12:00:00 AM	1	514
## 339	7086361926	4/13/2016	12:00:00 AM	1	451
## 340	7086361926	4/14/2016	12:00:00 AM	1	472
## 341	7086361926	4/15/2016	12:00:00 AM	1	377
## 342	7086361926	4/19/2016	12:00:00 AM	1	472
## 343	7086361926	4/20/2016	12:00:00 AM	1	492
## 344	7086361926	4/21/2016	12:00:00 AM	1	390
## 345	7086361926	4/22/2016	12:00:00 AM	1	428
## 346	7086361926	4/24/2016	12:00:00 AM	1	681
## 347	7086361926	4/25/2016	12:00:00 AM	1	446
## 348	7086361926	4/26/2016	12:00:00 AM	1	485
## 349	7086361926	4/27/2016	12:00:00 AM	1	469
## 350	7086361926	4/28/2016	12:00:00 AM	1	354
## 351	7086361926	4/30/2016	12:00:00 AM	1	485
## 352	7086361926	5/1/2016	12:00:00 AM	1	388
## 353	7086361926	5/2/2016	12:00:00 AM	1	440
## 354	7086361926	5/3/2016	12:00:00 AM	1	456
## 355	7086361926	5/4/2016	12:00:00 AM	1	420
## 356	7086361926	5/6/2016	12:00:00 AM	1	322
## 357	7086361926	5/7/2016	12:00:00 AM	1	530
## 358	7086361926	5/8/2016	12:00:00 AM	1	481
## 359	7086361926	5/9/2016	12:00:00 AM	1	427
## 360	7086361926	5/11/2016	12:00:00 AM	1	451
## 361	7086361926	5/12/2016	12:00:00 AM	1	444
## 362	8053475328	4/20/2016	12:00:00 AM	1	486
## 363	8053475328	4/23/2016	12:00:00 AM	1	331
## 364	8053475328	5/7/2016	12:00:00 AM	1	74
## 365	8378563200	4/12/2016	12:00:00 AM	1	338

## 366	8378563200	4/13/2016	12:00:00 AM	2	447
## 367	8378563200	4/14/2016	12:00:00 AM	1	424
## 368	8378563200	4/15/2016	12:00:00 AM	1	513
## 369	8378563200	4/16/2016	12:00:00 AM	2	611
## 370	8378563200	4/17/2016	12:00:00 AM	2	525
## 371	8378563200	4/18/2016	12:00:00 AM	1	398
## 372	8378563200	4/19/2016	12:00:00 AM	1	387
## 373	8378563200	4/20/2016	12:00:00 AM	1	381
## 374	8378563200	4/21/2016	12:00:00 AM	1	396
## 375	8378563200	4/22/2016	12:00:00 AM	1	441
## 376	8378563200	4/23/2016	12:00:00 AM	1	565
## 377	8378563200	4/24/2016	12:00:00 AM	1	458
## 378	8378563200	4/25/2016	12:00:00 AM	1	388
## 379	8378563200	4/26/2016	12:00:00 AM	1	550
## 380	8378563200	4/27/2016	12:00:00 AM	1	531
## 381	8378563200	4/28/2016	12:00:00 AM	1	506
## 382	8378563200	4/29/2016	12:00:00 AM	1	527
## 383	8378563200	4/30/2016	12:00:00 AM	1	468
## 384	8378563200	5/1/2016	12:00:00 AM	1	475
## 385	8378563200	5/2/2016	12:00:00 AM	1	351
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## 387	8378563200	5/4/2016	12:00:00 AM	1	441
## 388	8378563200	5/5/2016	12:00:00 AM	1	381
## 389	8378563200	5/6/2016	12:00:00 AM	1	323
## 390	8378563200	5/7/2016	12:00:00 AM	2	459
## 391	8378563200	5/8/2016	12:00:00 AM	1	545
## 392	8378563200	5/9/2016	12:00:00 AM	1	359
## 393	8378563200	5/10/2016	12:00:00 AM	1	342
## 394	8378563200	5/11/2016	12:00:00 AM	1	368
## 395	8378563200	5/12/2016	12:00:00 AM	1	496
## 396	8792009665	4/12/2016	12:00:00 AM	1	458
## 397	8792009665	4/13/2016	12:00:00 AM	1	531
## 398	8792009665	4/14/2016	12:00:00 AM	1	486
## 399	8792009665	4/15/2016	12:00:00 AM	1	363
## 400	8792009665	4/20/2016	12:00:00 AM	1	528
## 401	8792009665	4/22/2016	12:00:00 AM	1	391
## 402	8792009665	4/23/2016	12:00:00 AM	1	339
## 403	8792009665	4/27/2016	12:00:00 AM	1	423
## 404	8792009665	4/28/2016	12:00:00 AM	1	402
## 405	8792009665	4/29/2016	12:00:00 AM	1	398
## 406	8792009665	4/30/2016	12:00:00 AM	1	343
## 407	8792009665	5/1/2016	12:00:00 AM	1	503
## 408	8792009665	5/2/2016	12:00:00 AM	1	415
## 409	8792009665	5/3/2016	12:00:00 AM	1	516
## 410	8792009665	5/4/2016	12:00:00 AM	1	439
##	total_time_in_bed				
## 1				346	
## 2				407	
## 3				442	
## 4				367	
## 5				712	
## 6				320	
## 7				377	
## 8				364	

## 9	384
## 10	449
## 11	323
## 12	274
## 13	393
## 14	354
## 15	425
## 16	396
## 17	309
## 18	296
## 19	264
## 20	367
## 21	349
## 22	611
## 23	342
## 24	403
## 25	306
## 26	127
## 27	142
## 28	961
## 29	154
## 30	961
## 31	961
## 32	961
## 33	775
## 34	422
## 35	499
## 36	315
## 37	178
## 38	546
## 39	565
## 40	568
## 41	573
## 42	567
## 43	498
## 44	540
## 45	510
## 46	514
## 47	545
## 48	554
## 49	591
## 50	531
## 51	545
## 52	545
## 53	510
## 54	607
## 55	546
## 56	543
## 57	560
## 58	485
## 59	548
## 60	521
## 61	568
## 62	556

## 63	380
## 64	553
## 65	485
## 66	69
## 67	531
## 68	489
## 69	504
## 70	602
## 71	557
## 72	514
## 73	484
## 74	461
## 75	386
## 76	459
## 77	471
## 78	490
## 79	499
## 80	450
## 81	473
## 82	469
## 83	456
## 84	397
## 85	556
## 86	510
## 87	566
## 88	522
## 89	395
## 90	305
## 91	512
## 92	476
## 93	372
## 94	526
## 95	467
## 96	371
## 97	540
## 98	423
## 99	478
## 100	382
## 101	626
## 102	384
## 103	500
## 104	336
## 105	480
## 106	512
## 107	443
## 108	456
## 109	452
## 110	541
## 111	77
## 112	332
## 113	536
## 114	248
## 115	408
## 116	402

## 117	494
## 118	557
## 119	491
## 120	522
## 121	551
## 122	498
## 123	543
## 124	65
## 125	550
## 126	722
## 127	501
## 128	506
## 129	516
## 130	307
## 131	522
## 132	546
## 133	516
## 134	500
## 135	506
## 136	512
## 137	491
## 138	530
## 139	638
## 140	565
## 141	517
## 142	558
## 143	321
## 144	526
## 145	448
## 146	641
## 147	104
## 148	338
## 149	451
## 150	458
## 151	85
## 152	501
## 153	595
## 154	346
## 155	500
## 156	458
## 157	430
## 158	597
## 159	376
## 160	414
## 161	495
## 162	496
## 163	541
## 164	65
## 165	375
## 166	494
## 167	457
## 168	406
## 169	492
## 170	379

## 171	499
## 172	107
## 173	424
## 174	462
## 175	469
## 176	417
## 177	345
## 178	391
## 179	374
## 180	442
## 181	108
## 182	353
## 183	459
## 184	542
## 185	450
## 186	363
## 187	513
## 188	402
## 189	436
## 190	391
## 191	533
## 192	426
## 193	530
## 194	501
## 195	137
## 196	121
## 197	179
## 198	129
## 199	134
## 200	439
## 201	430
## 202	415
## 203	257
## 204	406
## 205	612
## 206	312
## 207	487
## 208	468
## 209	434
## 210	475
## 211	506
## 212	380
## 213	429
## 214	449
## 215	461
## 216	447
## 217	501
## 218	373
## 219	434
## 220	428
## 221	449
## 222	543
## 223	458
## 224	431

## 225	366
## 226	442
## 227	464
## 228	488
## 229	418
## 230	409
## 231	686
## 232	402
## 233	541
## 234	410
## 235	678
## 236	431
## 237	353
## 238	725
## 239	640
## 240	468
## 241	453
## 242	391
## 243	457
## 244	495
## 245	843
## 246	686
## 247	471
## 248	429
## 249	470
## 250	464
## 251	434
## 252	470
## 253	608
## 254	494
## 255	443
## 256	486
## 257	475
## 258	438
## 259	458
## 260	497
## 261	413
## 262	445
## 263	583
## 264	553
## 265	465
## 266	480
## 267	437
## 268	366
## 269	402
## 270	615
## 271	461
## 272	377
## 273	452
## 274	372
## 275	485
## 276	433
## 277	398
## 278	553

## 279	543
## 280	634
## 281	78
## 282	562
## 283	476
## 284	398
## 285	350
## 286	510
## 287	492
## 288	502
## 289	550
## 290	546
## 291	539
## 292	367
## 293	557
## 294	416
## 295	636
## 296	575
## 297	415
## 298	698
## 299	507
## 300	603
## 301	522
## 302	260
## 303	441
## 304	406
## 305	387
## 306	679
## 307	535
## 308	386
## 309	366
## 310	446
## 311	458
## 312	535
## 313	424
## 314	457
## 315	435
## 316	546
## 317	514
## 318	415
## 319	446
## 320	467
## 321	453
## 322	447
## 323	424
## 324	426
## 325	482
## 326	418
## 327	455
## 328	491
## 329	462
## 330	334
## 331	569
## 332	497

## 333	481
## 334	480
## 335	535
## 336	82
## 337	61
## 338	525
## 339	465
## 340	476
## 341	386
## 342	483
## 343	502
## 344	411
## 345	448
## 346	704
## 347	447
## 348	500
## 349	479
## 350	367
## 351	489
## 352	407
## 353	459
## 354	461
## 355	436
## 356	333
## 357	548
## 358	510
## 359	438
## 360	463
## 361	457
## 362	493
## 363	337
## 364	75
## 365	356
## 366	487
## 367	455
## 368	533
## 369	689
## 370	591
## 371	451
## 372	421
## 373	409
## 374	417
## 375	469
## 376	591
## 377	492
## 378	402
## 379	584
## 380	600
## 381	556
## 382	562
## 383	555
## 384	539
## 385	385
## 386	429

```
## 387          477
## 388          417
## 389          355
## 390          513
## 391          606
## 392          399
## 393          391
## 394          387
## 395          546
## 396          493
## 397          552
## 398          503
## 399          377
## 400          547
## 401          407
## 402          360
## 403          428
## 404          416
## 405          406
## 406          360
## 407          527
## 408          423
## 409          545
## 410          463
```

Date Formatting We have to format our date columns into the proper format, because R automatically imports and converts date values into strings. So we have to then convert said columns back to the proper format.

```
# activity
daily_activity <- daily_activity %>%
  rename(date = activitydate) %>%
  mutate(date = as_date(date, format = "%m/%d/%Y"))

# sleep
sleep_day <- sleep_day %>%
  rename(date = sleepday) %>%
  mutate(date = as_date(date, format = "%m/%d/%Y %I:%M:%S %p" , tz=Sys.timezone()))
```

```
## Warning: `tz` argument is ignored by `as_date()`
```

We then check to confirm that the date column has been converted.

```
head(daily_activity)
```

##	id	date	totalsteps	totaldistance	trackerdistance
## 1	1503960366	2016-04-12	13162	8.50	8.50
## 2	1503960366	2016-04-13	10735	6.97	6.97
## 3	1503960366	2016-04-14	10460	6.74	6.74
## 4	1503960366	2016-04-15	9762	6.28	6.28
## 5	1503960366	2016-04-16	12669	8.16	8.16
## 6	1503960366	2016-04-17	9705	6.48	6.48

##	loggedactivitiesdistance	veryactivedistance	moderatelyactivedistance
## 1	0	1.88	0.55
## 2	0	1.57	0.69
## 3	0	2.44	0.40

```
## 4          0          2.14          1.26
## 5          0          2.71          0.41
## 6          0          3.19          0.78
##   lightactivedistance sedentaryactivedistance veryactiveminutes
## 1          6.06          0          25
## 2          4.71          0          21
## 3          3.91          0          30
## 4          2.83          0          29
## 5          5.04          0          36
## 6          2.51          0          38
##   fairlyactiveminutes lightlyactiveminutes sedentaryminutes calories
## 1          13          328          728    1985
## 2          19          217          776    1797
## 3          11          181         1218    1776
## 4          34          209          726    1745
## 5          10          221          773    1863
## 6          20          164          539    1728
```

```
str(daily_activity)
```

```
## 'data.frame':   940 obs. of  15 variables:
## $ id          : num  1.5e+09 1.5e+09 1.5e+09 1.5e+09 1.5e+09 ...
## $ date         : Date, format: "2016-04-12" "2016-04-13" ...
## $ totalsteps   : int  13162 10735 10460 9762 12669 9705 13019 15506 10544 9819 ...
## $ totaldistance : num  8.5 6.97 6.74 6.28 8.16 ...
## $ trackerdistance : num  8.5 6.97 6.74 6.28 8.16 ...
## $ loggedactivitiesdistance: num  0 0 0 0 0 0 0 0 0 0 ...
## $ veryactivedistance : num  1.88 1.57 2.44 2.14 2.71 ...
## $ moderatelyactivedistance: num  0.55 0.69 0.4 1.26 0.41 ...
## $ lightactivedistance : num  6.06 4.71 3.91 2.83 5.04 ...
## $ sedentaryactivedistance : num  0 0 0 0 0 0 0 0 0 0 ...
## $ veryactiveminutes : int  25 21 30 29 36 38 42 50 28 19 ...
## $ fairlyactiveminutes : int  13 19 11 34 10 20 16 31 12 8 ...
## $ lightlyactiveminutes : int  328 217 181 209 221 164 233 264 205 211 ...
## $ sedentaryminutes : int  728 776 1218 726 773 539 1149 775 818 838 ...
## $ calories      : int  1985 1797 1776 1745 1863 1728 1921 2035 1786 1775 ...
```

```
head(sleep_day)
```

```
##           id      date totalsleeprecords totalminutesasleep totaltimeinbed
## 1 1503960366 2016-04-12          1          327          346
## 2 1503960366 2016-04-13          2          384          407
## 3 1503960366 2016-04-15          1          412          442
## 4 1503960366 2016-04-16          2          340          367
## 5 1503960366 2016-04-17          1          700          712
## 6 1503960366 2016-04-19          1          304          320
```

```
str(sleep_day)
```

```
## 'data.frame':   410 obs. of  5 variables:
## $ id          : num  1.5e+09 1.5e+09 1.5e+09 1.5e+09 1.5e+09 ...
## $ date         : Date, format: "2016-04-12" "2016-04-13" ...
## $ totalsleeprecords : int  1 2 1 2 1 1 1 1 1 1 ...
## $ totalminutesasleep: int  327 384 412 340 700 304 360 325 361 430 ...
## $ totaltimeinbed    : int  346 407 442 367 712 320 377 364 384 449 ...
```

Verifying Dataset Now that our data has been properly formatted and cleaned, we'll need to confirm the number of users in each data frame so that we can determine the usability of our data.

```
n_distinct(daily_activity$id)
```

```
## [1] 33
```

```
n_distinct(sleep_day$id)
```

```
## [1] 24
```

We can see that the sleep data frame contains less unique users than the daily activities data frame. To make both data frames easier to use for analysis and manipulation, we will merge them together. *### Merging Data*

```
daily_activity_sleep <- merge(daily_activity, sleep_day, by.x = "id", by.y = "id")
glimpse(daily_activity_sleep)
```

```
## Rows: 12,348
```

```
## Columns: 19
```

```
## $ id                <dbl> 1503960366, 1503960366, 1503960366, 1503960366~
## $ date.x            <date> 2016-05-07, 2016-05-07, 2016-05-07, 2016-05--~
## $ totalsteps        <int> 11992, 11992, 11992, 11992, 11992, 11992, 119~
## $ totaldistance     <dbl> 7.71, 7.71, 7.71, 7.71, 7.71, 7.71, 7.71, 7.7~
## $ trackerdistance   <dbl> 7.71, 7.71, 7.71, 7.71, 7.71, 7.71, 7.71, 7.7~
## $ loggedactivitiesdistance <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ veryactivedistance <dbl> 2.46, 2.46, 2.46, 2.46, 2.46, 2.46, 2.46, 2.4~
## $ moderatelyactivedistance <dbl> 2.12, 2.12, 2.12, 2.12, 2.12, 2.12, 2.12, 2.1~
## $ lightactivedistance <dbl> 3.13, 3.13, 3.13, 3.13, 3.13, 3.13, 3.13, 3.1~
## $ sedentaryactivedistance <dbl> 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, ~
## $ veryactiveminutes <int> 37, 37, 37, 37, 37, 37, 37, 37, 37, 37, 37, 37, 3~
## $ fairlyactiveminutes <int> 46, 46, 46, 46, 46, 46, 46, 46, 46, 46, 46, 4~
## $ lightlyactiveminutes <int> 175, 175, 175, 175, 175, 175, 175, 175, 175, ~
## $ sedentaryminutes <int> 833, 833, 833, 833, 833, 833, 833, 833, 833, ~
## $ calories          <int> 1821, 1821, 1821, 1821, 1821, 1821, 1821, 182~
## $ date.y            <date> 2016-04-12, 2016-04-13, 2016-04-15, 2016-04--~
## $ totalsleeprecords <int> 1, 2, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, ~
## $ totalminutesasleep <int> 327, 384, 412, 340, 700, 304, 360, 325, 361, ~
## $ totaltimeinbed    <int> 346, 407, 442, 367, 712, 320, 377, 364, 384, ~
```

```
head(daily_activity_sleep)
```

```
##           id      date.x totalsteps totaldistance trackerdistance
## 1 1503960366 2016-05-07      11992           7.71           7.71
## 2 1503960366 2016-05-07      11992           7.71           7.71
## 3 1503960366 2016-05-07      11992           7.71           7.71
## 4 1503960366 2016-05-07      11992           7.71           7.71
## 5 1503960366 2016-05-07      11992           7.71           7.71
## 6 1503960366 2016-05-07      11992           7.71           7.71
## loggedactivitiesdistance veryactivedistance moderatelyactivedistance
## 1                        0                2.46                2.12
## 2                        0                2.46                2.12
## 3                        0                2.46                2.12
## 4                        0                2.46                2.12
## 5                        0                2.46                2.12
## 6                        0                2.46                2.12
## lightactivedistance sedentaryactivedistance veryactiveminutes
```

```
## 1          3.13          0          37
## 2          3.13          0          37
## 3          3.13          0          37
## 4          3.13          0          37
## 5          3.13          0          37
## 6          3.13          0          37
##   fairlyactiveminutes lightlyactiveminutes sedentaryminutes calories      date.y
## 1                   46                   175             833    1821 2016-04-12
## 2                   46                   175             833    1821 2016-04-13
## 3                   46                   175             833    1821 2016-04-15
## 4                   46                   175             833    1821 2016-04-16
## 5                   46                   175             833    1821 2016-04-17
## 6                   46                   175             833    1821 2016-04-19
##   totalsleeprecords totalminutesasleep totaltimeinbed
## 1                   1                   327             346
## 2                   2                   384             407
## 3                   1                   412             442
## 4                   2                   340             367
## 5                   1                   700             712
## 6                   1                   304             320
```

Now that our data has been verified and formatted, we can begin to work with it.

Phase 5: Analyze

First, we want to get a summary of some of the important values in each dataset before merging.

Summarizing Data

```
# Activity
daily_activity %>%
  select(totalsteps,
         totaldistance,
         sedentaryminutes) %>%
  summary()

##   totalsteps   totaldistance   sedentaryminutes
##   Min.      :    0   Min.      : 0.000   Min.      :    0.0
##   1st Qu.: 3790   1st Qu.: 2.620   1st Qu.: 729.8
##   Median : 7406   Median : 5.245   Median :1057.5
##   Mean   : 7638   Mean   : 5.490   Mean    : 991.2
##   3rd Qu.:10727   3rd Qu.: 7.713   3rd Qu.:1229.5
##   Max.    :36019   Max.    :28.030   Max.     :1440.0

# Sleep
sleep_day %>%
  select(totalsleeprecords,
         totalminutesasleep,
         totaltimeinbed) %>%
  summary()

##   totalsleeprecords totalminutesasleep totaltimeinbed
##   Min.      :1.00    Min.      : 58.0    Min.      : 61.0
##   1st Qu.:1.00    1st Qu.:361.0    1st Qu.:403.8
##   Median :1.00    Median :432.5    Median :463.0
```

```
## Mean      :1.12      Mean      :419.2      Mean      :458.5
## 3rd Qu.   :1.00      3rd Qu.   :490.0      3rd Qu.   :526.0
## Max.      :3.00      Max.      :796.0      Max.      :961.0
```

From the summary statistics, we can see that the average distance covered and steps taken, is far off the maximum. We can further group users according to their activity level, so as to be able to correctly determine the average type of user. ##### Type of users

```
daily_average <- daily_activity_sleep %>%
  group_by(id) %>%
  summarise (mean_daily_steps = mean(totalsteps), mean_daily_calories = mean(calories), mean_daily_sleep = mean(sleep))

head(daily_average)
```

```
## # A tibble: 6 x 4
##       id mean_daily_steps mean_daily_calories mean_daily_sleep
##   <dbl>         <dbl>         <dbl>         <dbl>
## 1 1503960366      12117.         1816.         360.
## 2 1644430081       7283.         2811.         294
## 3 1844505072       2580.         1573.         652
## 4 1927972279        916.         2173.         417
## 5 2026352035       5567.         1541.         506
## 6 2320127002       4717.         1724.          61
```

```
user_type <- daily_average %>%
  mutate(user_type = case_when(
    mean_daily_steps < 5000 ~ "sedentary",
    mean_daily_steps >= 5000 & mean_daily_steps < 7499 ~ "lightly active",
    mean_daily_steps >= 7500 & mean_daily_steps < 9999 ~ "fairly active",
    mean_daily_steps >= 10000 ~ "very active"
  ))

head(user_type)
```

```
## # A tibble: 6 x 5
##       id mean_daily_steps mean_daily_calories mean_daily_sleep user_type
##   <dbl>         <dbl>         <dbl>         <dbl> <chr>
## 1 1503960366      12117.         1816.         360. very active
## 2 1644430081       7283.         2811.         294 lightly active
## 3 1844505072       2580.         1573.         652 sedentary
## 4 1927972279        916.         2173.         417 sedentary
## 5 2026352035       5567.         1541.         506 lightly active
## 6 2320127002       4717.         1724.          61 sedentary
```

We can further determine the percentage of users based on their activity level.

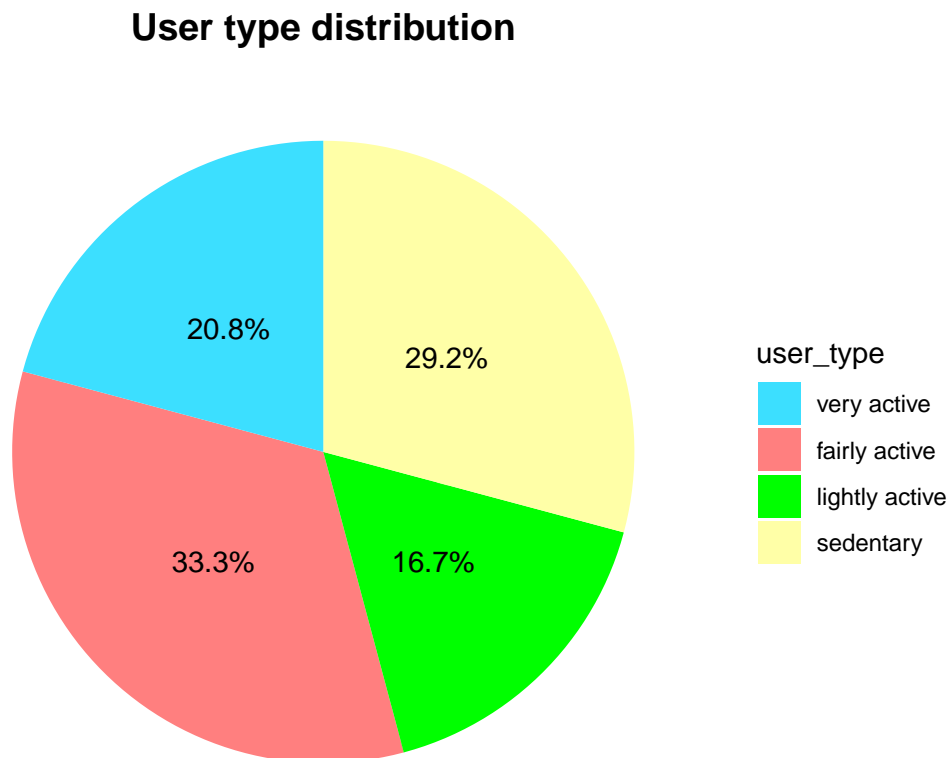
```
user_type_percent <- user_type %>%
  group_by(user_type) %>%
  summarise(total = n()) %>%
  mutate(totals = sum(total)) %>%
  group_by(user_type) %>%
  summarise(total_percent = total / totals) %>%
  mutate(labels = scales::percent(total_percent))

user_type_percent$user_type <- factor(user_type_percent$user_type , levels = c("very active", "fairly active", "lightly active", "sedentary"))
```

```
head(user_type_percent)
```

```
## # A tibble: 4 x 3
##   user_type      total_percent labels
##   <fct>          <dbl> <chr>
## 1 fairly active    0.333 33.3%
## 2 lightly active   0.167 16.7%
## 3 sedentary        0.292 29.2%
## 4 very active      0.208 20.8%
```

```
user_type_percent %>%
  ggplot(aes(x="",y=total_percent, fill=user_type)) +
  geom_bar(stat = "identity", width = 1)+
  coord_polar("y", start=0)+
  theme_minimal()+
  theme(axis.title.x= element_blank(),
        axis.title.y = element_blank(),
        panel.border = element_blank(),
        panel.grid = element_blank(),
        axis.ticks = element_blank(),
        axis.text.x = element_blank(),
        plot.title = element_text(hjust = 0.5, size=14, face = "bold")) +
  scale_fill_manual(values = c("#3CDFFF", "#FF7F7F", "#00FF00", "#ffffa7")) +
  geom_text(aes(label = labels,
                position = position_stack(vjust = 0.5)))+
  labs(title="User type distribution")
```



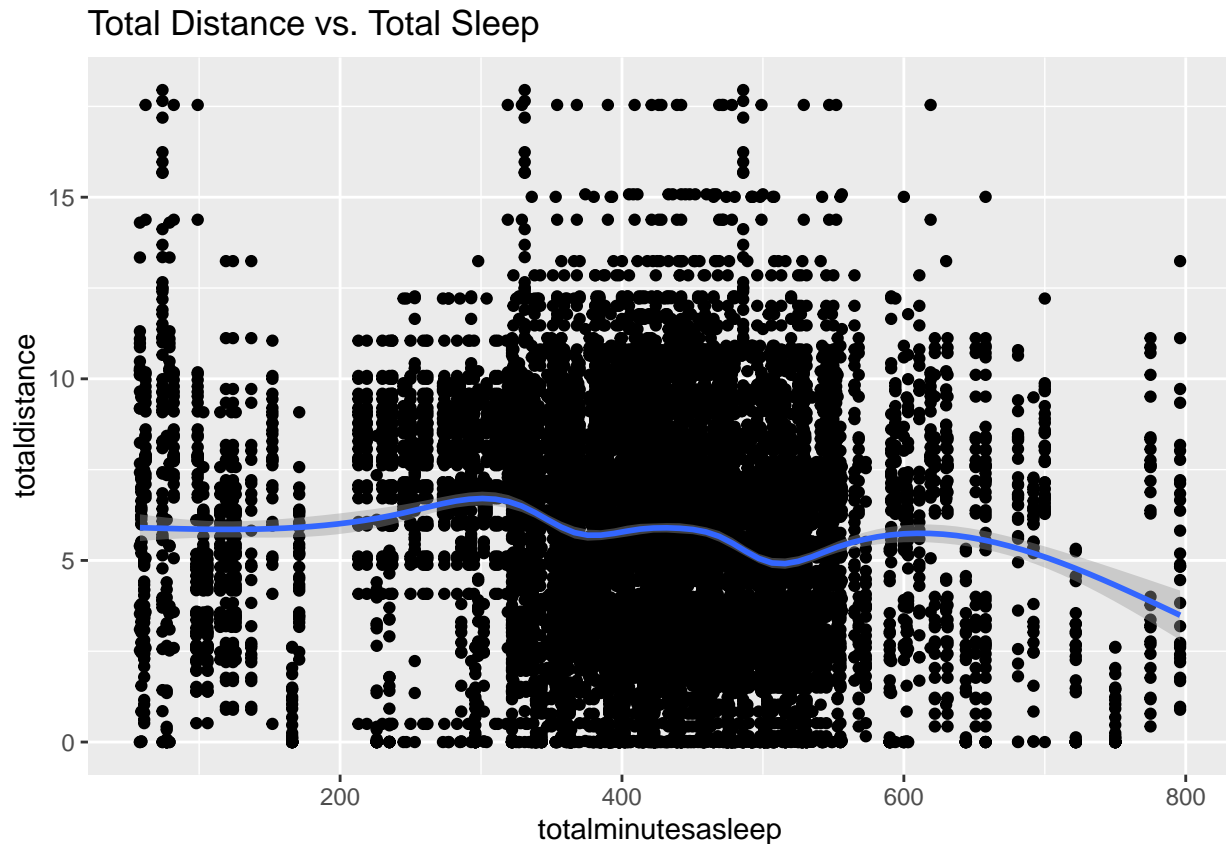
From our visualization, we can see that a sizable number of users are fairly active, lightly active and sedentary. Which accounts for the huge difference between the mean steps taken and the maximum.

Visualization

To help analyze our data, we'll go ahead and visualize our data.

```
ggplot(data=daily_activity_sleep, aes(x=totalminutesasleep, y=totaldistance)) +  
  geom_point() + geom_smooth() + labs(title="Total Distance vs. Total Sleep")
```

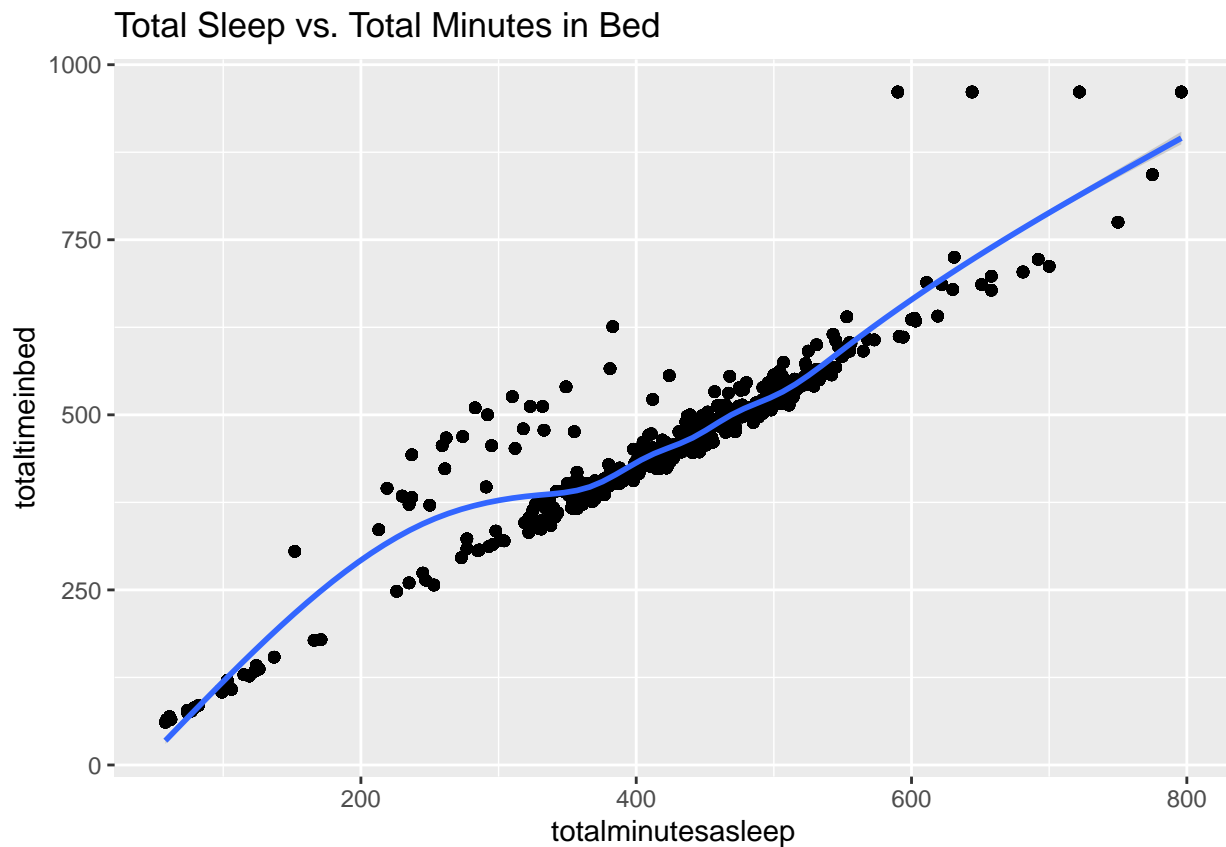
```
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```



It seems that there is no positive correlation between the total amount of time users spent in bed and the total distance of activity.

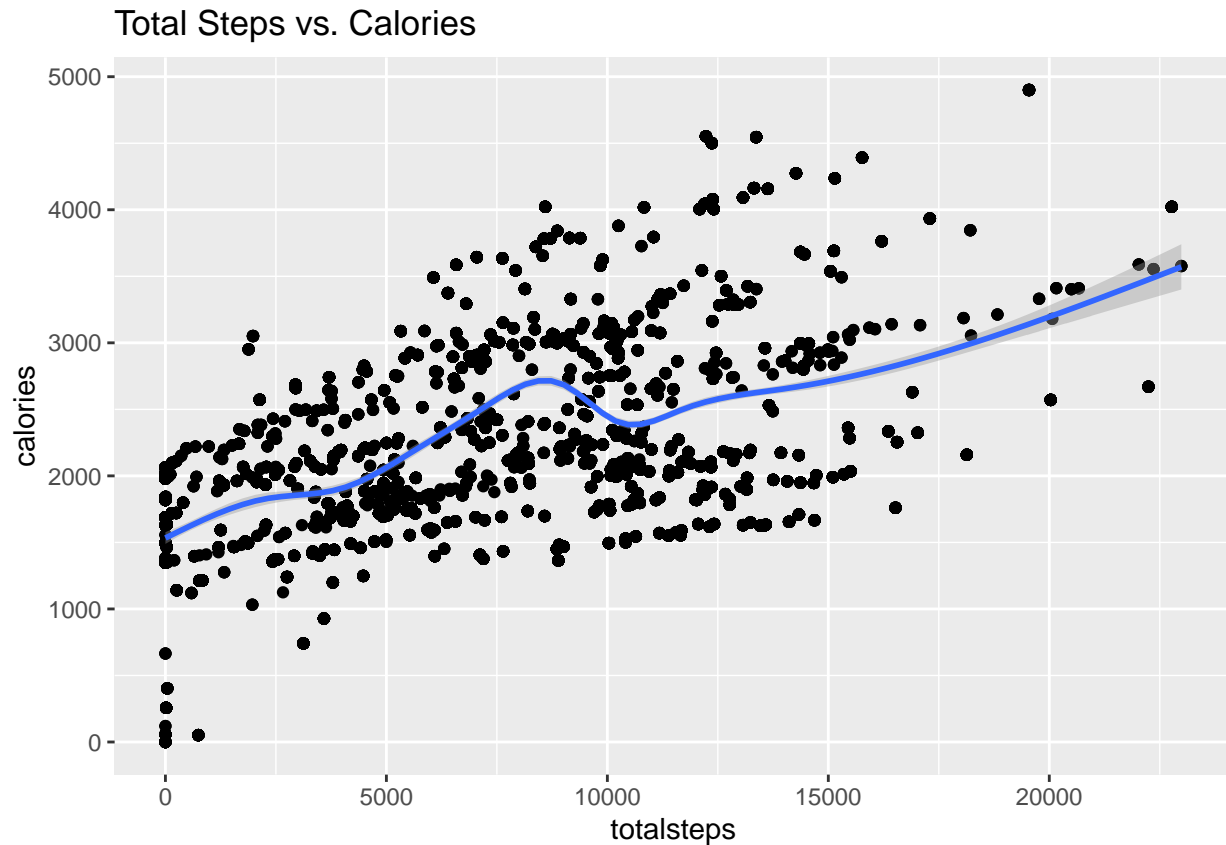
```
ggplot(data=daily_activity_sleep, aes(x=totalminutesasleep, y=totaltimeinbed)) +  
  geom_point() + geom_smooth() + labs(title="Total Sleep vs. Total Minutes in Bed")
```

```
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```

Further analysis shows that the more time spent in bed, the more sleep users were able to get. A very useful insight, which can help effect recommendations.

```
ggplot(data=daily_activity_sleep, aes(x=totalsteps, y=calories)) +  
  geom_point() + geom_smooth() + labs(title="Total Steps vs. Calories")  
  
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```



And an obvious correlation that the more steps users took, the more calories got burned. A very useful insight could be that for every average distance covered by the user, motivating notifications can be given so as to help users be more active, and in turn make their activity more productive. Further recommendations will be given after further analysis.

```
weekday_steps_sleep <- daily_activity_sleep %>%
  mutate(weekday = weekdays(date.x))

weekday_steps_sleep$weekday <- ordered(weekday_steps_sleep$weekday, levels=c("Monday", "Tuesday", "Wednesday",
                                                                              "Thursday", "Friday", "Saturday", "Sunday"))

weekday_steps_sleep <- weekday_steps_sleep %>%
  group_by(weekday) %>%
  summarize (daily_steps = mean(totalsteps), daily_distance = mean(totaldistance), daily_sleep = mean(totalsleep))

head(weekday_steps_sleep)
```

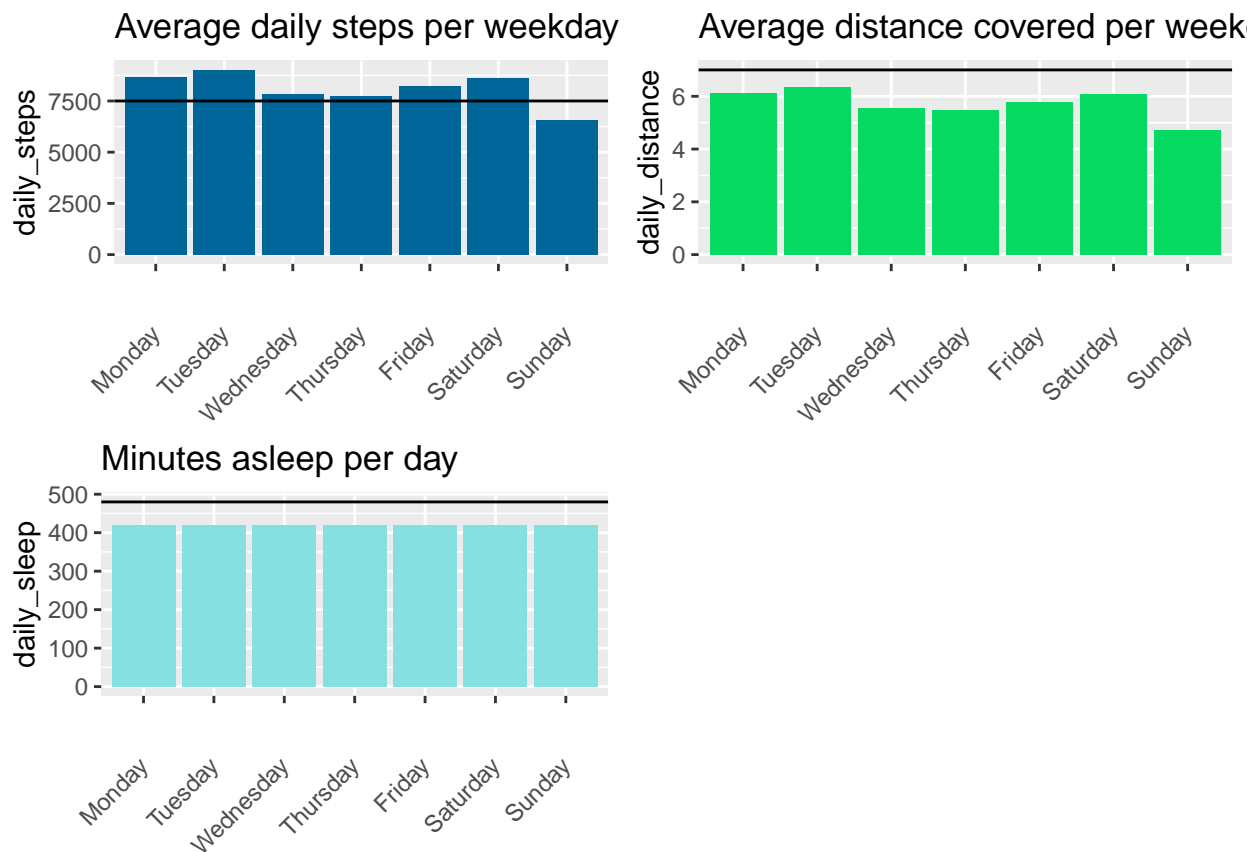
Weekly Averages

```
## # A tibble: 6 x 4
##   weekday  daily_steps daily_distance daily_sleep
##   <ord>      <dbl>         <dbl>      <dbl>
## 1 Monday      8644.           6.10        419.
## 2 Tuesday     9017.           6.34        419.
## 3 Wednesday   7833.           5.54        419.
## 4 Thursday   7736.           5.46        420.
```

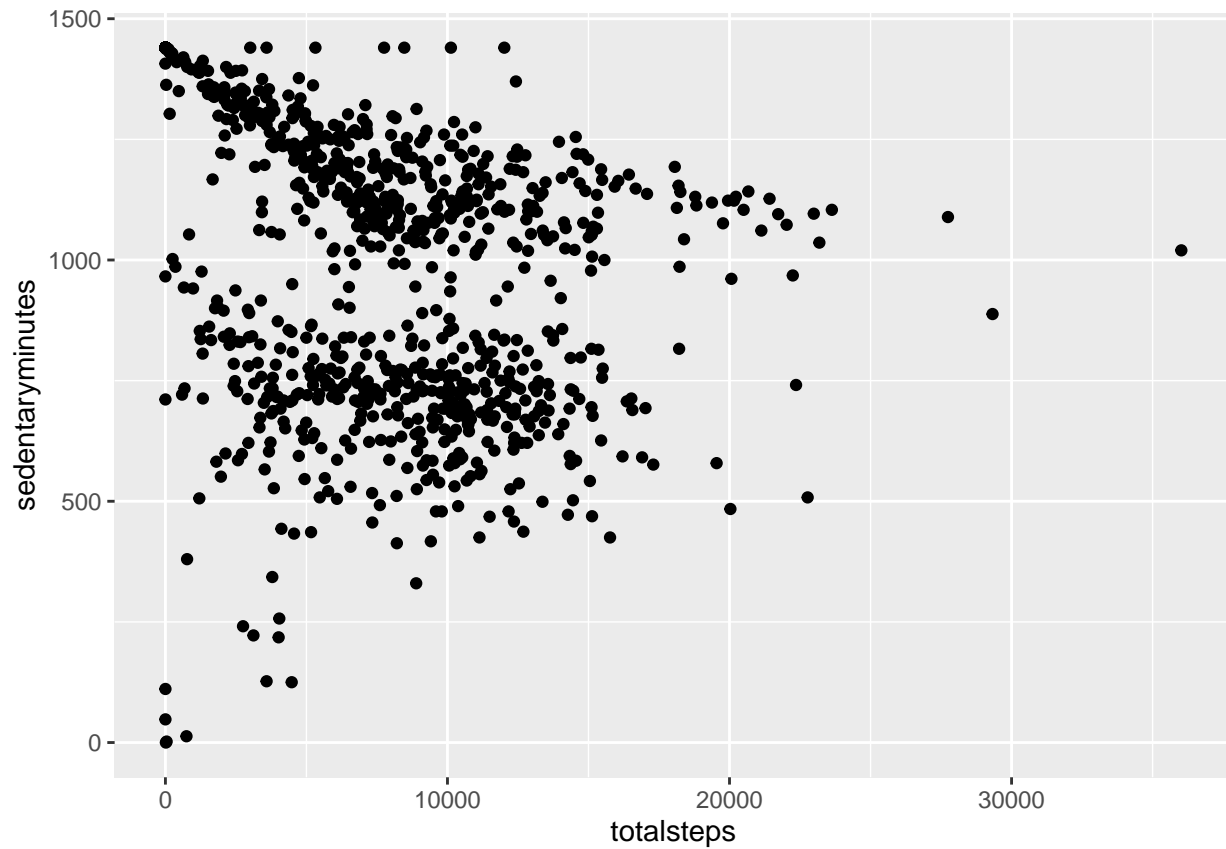
```
## 5 Friday      8231.      5.77      419.
## 6 Saturday    8622.      6.07      419.
```

Calculating the average time that users spend asleep for each day of the week, and the amount of steps per days of the week, we can see that it seems that users tend to be most active on Saturdays, and on Mondays and Tuesdays.

```
ggarrange(
  ggplot(weekday_steps_sleep) +
    geom_col(aes(weekday, daily_steps), fill = "#006699") +
    geom_hline(yintercept = 7500) +
    labs(title = "Average daily steps per weekday", x = "") +
    theme(axis.text.x = element_text(angle = 45, vjust = 0.5, hjust = 1)),
  ggplot(weekday_steps_sleep) +
    geom_col(aes(weekday, daily_distance), fill = "#07DA63") +
    geom_hline(yintercept = 7) +
    labs(title = "Average distance covered per weekday", x = "") +
    theme(axis.text.x = element_text(angle = 45, vjust = 0.5, hjust = 1)),
  ggplot(weekday_steps_sleep, aes(weekday, daily_sleep)) +
    geom_col(fill = "#85e0e0") +
    geom_hline(yintercept = 480) +
    labs(title = "Minutes asleep per day", x = "") +
    theme(axis.text.x = element_text(angle = 45, vjust = 0.5, hjust = 1))
)
```

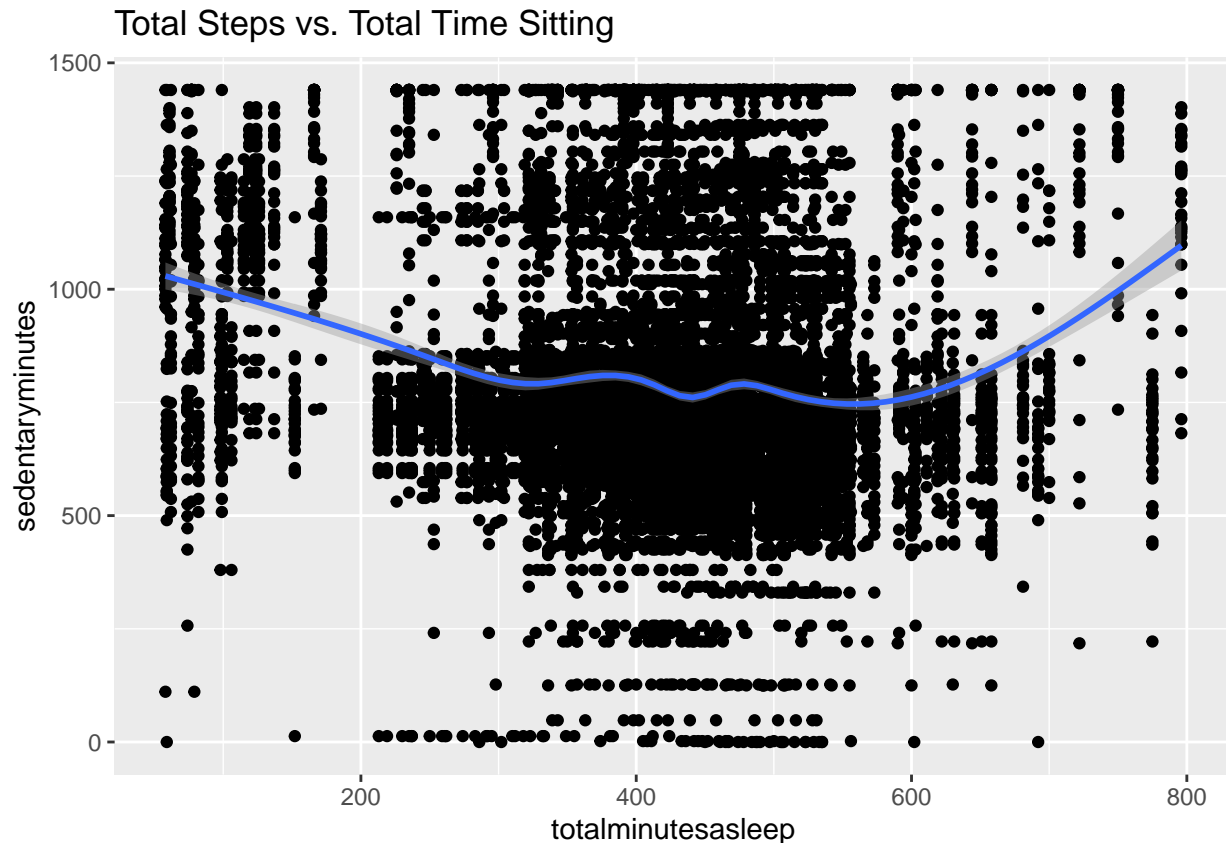


```
ggplot(data=daily_activity, aes(x=totalsteps, y=sedentaryminutes)) + geom_point()
```



It seems there is a possible negative correlation between the total sedentary time and the total steps taken, but further analysis is needed to confirm said correlation.

```
ggplot(data=daily_activity_sleep, aes(x=totalminutesasleep, y=sedentaryminutes)) + geom_point() + geom_smooth()
## `geom_smooth()` using method = 'gam' and formula 'y ~ s(x, bs = "cs")'
```



Further analysis shows that there is negative correlation between time in bed vs sedentary minutes. This could inform a choice of having users receive a notification for sleep time, so that users can get more sleep rather than being sedentary.

Phase 6: Share & Act

Recommendations

Returning to the business task, our goal is to help unlock new growth opportunities for the business using our data. And bellabeat's mission is to empower women by providing them with data to discover themselves.

In order for us to properly respond to our business task, further data for analysis is required because the data used for analysis is limited. Likewise, because the business is focused on women, trends and data specifically related to omen has to be collected and mapped for a strong marketing strategy to be achieved.

That being said, a couple of trends from our analysis can help bolster business campaigns and improve users' reliance on the Bellabeat app, and Bellabeat as a whole.

Notification Recommendations

- In order for users to get more productivity out of their activities, the app can be set to give reminders to users to be more active on Saturdays and Mondays, since our analysis showed those were the days users were more active.
- Likewise, our analysis discovered trends that show that majority of users tend to be more sedentary than active, and that the average amount of steps put in/ distance covered is well below the CDC's recommendation, which is for 8000 steps a day. A useful addition can be put into the Bellabeat device, to monitor and aggregate users' average steps, and show notifications when users pass their average daily steps, so as to motivate them to be more active during the day.

Campaign Recommendations

- From our analysis, we can see that a tiny minority of users are very active users of fitness devices. Bellabeat can therefore go further and market specifically to attract more active users by positioning itself as not just another fitness product, but a self-help guide and partner, that helps its users achieve their goal with continuous monitoring and response.

Thank you for going through my first Case Study.

Recommendations and comments will be appreciated.