Analysis Summary:

Taking a look at the fitbit data has led to some interesting points of data. The first being that on average users spend much more time sedentary with lightly active following suit. The interesting part is that very active minutes are higher than fairly active. This is something that we will take a look into next when reviewing the daily average minutes spent. On average users spend about 991.21 minutes (16 hours) sedentary, 192.81 (3.21 hours) lightly active, 13.56 minutes (.22 hours) daily active, and finally 21.16 minutes (.35 hours) very active.

Now if we break this down by week we are able to see a little more information on where most of the minutes are being used. Here we see that the average amount of time is being broken down by each day of the week. Furthermore we add a new column avg calories burned which can help us indicate the most active day. We see based on the data below that Mondays are the most sedentary day with 990.25 minutes. The most light active day would be Saturday, with the most daily active day being Saturday as well. One thing we do notice though is that on Monday is on average the most active day for very active minutes. The last thing we take a look into is on average the most calories are burned on Tuesday which is not the most active day excluding sedentary minutes. This will need further investigation.



The last amount of information regarding activity time is the percentage that users spend active vs sedentary. We find that on average a user spends about 18.67 percent of time being active with 81.32 percent being sedentary. To break this even further down as we discussed prior on average the most sedentary day is Sunday with the most Active day being Saturday.

Now let's take a look at users' sleep schedule as well, on average we see that users are asleep the longest on Sundays, sleeping for about 7.5 hours. We also see that Sundays are the most time users are in bed with about 8.39 hours. This means that users spend about an hour in bed not sleeping. Taking a look back at our previous data we see that Sunday is also the highest day for sedentary activity so this is a point we can take a deeper look into.

We see that users spend the most time awake in bed on Sunday and Saturdays. One thing that we can take a look into when building our visualization is to see how active users get sleep.