**21/10/2022 - Upload and change data format**

- All tables were cleaned and uploaded into a new table

- Tables 5-18 had timestamps uploaded as STRING then formatted and converted to DateTime in a new column.

- Old STRING format timestamp column was removed in the new table

**Change fitbit data table names:**

**01. dailyActivity\_merged -> Daily\_Activity**

* Verified: done
* Number of Users: 33

**02. dailyCalories\_merged - > Daily\_Calories**

* Verified: done
* Number of Users: 33

**03. dailyIntensities\_merged -> Daily\_Intensities**

* Verified: done
* Number of Users: 33

**04. dailySteps\_merged -> Daily\_Steps**

* Verified: done
* Number of Users: 33

**05. heartrate\_seconds\_merged -> Heartrate\_Seconds**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 14

**IDs that do not appear in Daily\_Activity**

8053475328 1644430081 4319703577 2320127002 1503960366

3372868164 7086361926 2873212765 6290855005 4445114986

8378563200 8583815059 1927972279 4057192912 3977333714

4702921684 1844505072 1624580081 8253242879

**06. hourlyCalories\_merged -> Hourly\_Calories**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**07. hourlyIntensities\_merged -> Hourly\_Intensities**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**08. hourlySteps\_merged -> Hourly\_Steps**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**09. minuteCaloriesNarrow\_merged -> Calories\_per\_Minute\_Narrow**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**10. minuteCaloriesWide\_merged -> Calories\_per\_Minute\_Wide**

* Uploaded: ActivityHour as string
* Verified: done
* Number of Users: 33

**11. minuteIntensitiesNarrow\_merged -> Intensities\_per\_Minute\_Narrow**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**12. minuteIntensitiesWide\_merged -> Intensities\_per\_Minute\_Wide**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**13. minuteMETsNarrow\_merged -> METs\_per\_Minute\_Narrow**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**14. minuteSleep\_merged -> Minute\_Sleep**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 24

**IDs that do not appear in Daily\_Activity**

8877689391 3372868164 2873212765 6290855005 8583815059

2022484408 4057192912 1624580081 8253242879

**15. minuteStepsNarrow\_merged -> Steps\_per\_Minute\_Narrow**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**16. minuteStepsWide\_merged -> Steps\_per\_Minute\_Wide**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 33

**17. sleepDay\_merged -> Sleep\_per\_Day**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 24

**IDs that do not appear in Daily\_Activity**

8877689391 3372868164 2873212765 6290855005 8583815059

2022484408 4057192912 1624580081 8253242879

**18. weightLogInfo\_merged -> Weight\_Log\_Info**

* Uploaded: datetime as string
* Verified: done
* Number of Users: 8

**IDs that do not appear in Daily\_Activity**

8053475328 1644430081 2320127002 2347167796 4388161847

6775888955 5553957443 3372868164 7086361926 6290855005

4445114986 4020332650 6117666160 8378563200 8583815059

2026352035 7007744171 2022484408 8792009665 4057192912

3977333714 4702921684 1844505072 1624580081 8253242879

**27/10/2022 - Merge and transform fitbit data into new tables for analysis**

**1. Sleep\_Time**

* Querys: #10, #11

**2. Hourly\_Activity**

* Querys: #14

**3. Heartrate\_by\_Hour**

* Querys: #18

**4. Daily\_Activity\_Avg\_by\_Week**

**5. Avg\_Heartrate\_per\_Minute**

**6. Avg\_Activity\_per\_Hour**

The use of transformed datasets were abandoned. The creation of altered and merged tables were conducted in Tableau using the cleaned dataset.