Life Buddy Platform

# Web portal

-user can upload datasets with time stamps

-view charts of data

# Phone portal

-user can submit notes with time stamps and location.

-accept pictures

-mood tracker

# Things to figure out

-date time must be consistent. Figure out how to allow user to view things on their current access timestamp. Then convert to universal time stamp. Then report back to users designated timestamp.

-Heart rate lambda score for each run

# References

Medium article tracking moods

<https://numberbycolors.com/nine-lessons-from-three-years-of-tracking-my-mood-13c34b1411dc>

heart rate modeling

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0118263>

“The main modification is that the proposed model has now only one parameter which reflects the overall cardiovascular condition of the individual”

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4395265/>

plotting

<https://towardsdatascience.com/an-introduction-to-making-scientific-publication-plots-with-python-ea19dfa7f51e>

fitting

<https://towardsdatascience.com/basic-curve-fitting-of-scientific-data-with-python-9592244a2509>

<https://www.statforbiology.com/nonlinearregression/usefulequations>

# To Do-sies

1. Login Email or username to login
2. Login Just browsing option to sign in as Costa Rica
3. Dashboard space for forecast chart [DONE]
4. Dashboard space forecast current week’s progress [DONE]
5. Dashboard link to upload page [DONE]
6. Upload page input for file type (heart rate, mood, weight, activity)
   1. Heart rate shows file browser
   2. Anything else is just entry forms
7. Upload page file browser [DONE]
8. Upload page dropdown for user timezone
   1. Get list of timezones
9. Input data type

# To Do-sies 2/8/2021

1. Polar data upload reduce hardcoded inputs
   1. Any leftover hard code inputs should be dependent on the Polar dropdown
2. Build database one table solution
   1. Once multiple datasets are populated see which columns don’t change across exercise and move those to a different table. Call it something like exercise or training meta.
3. Polar data connect through api (Later when I have the url with certbox)