January 18, 2020

Let’s tart over. 17 pages on the previous

I am making progress. The pieces of the software are in place. I am not sure that I have two databases with two connection objects. I think I have, but am having trouble.

The date search is done

The filtering from the ‘no sort’ is working fine.

The dynamic data entry module is done.

The stop at the end of the database is working.

The null boxes are not causing a problem.

The calculations for average are working fine.

Empty rows are not causing problems.

I recently discovered that the sqlite3 tables should have been set up to take a ‘date’ in column\_one. I am not sure how to move forward with this. I have a work-around, found with difficulty, and maybe should just ‘ride the wave’. I think that the original date has to be a datetime format and I do not know how to do that.

I have made great progress toward learning the Python. But I feel as if I cannot move forward. I keep meeting obstacles. I am very much discouraged by what I have seen.

Add pendulum

Replace pendulum

Add rotating pendulum?

Jan 20th,

I swapped out the UNO board downstairs. The board and software are set up for six timing events. I put it up with only the same three. I did the development upstairs and moved it all down to the lab. I think I lost 15 minutes of data. Pretty impressive.

I set up a new folder on the MINT. /20\_jan\_work. Put the Arduino, python and db in this new folder. This is slightly important. I tried to use pin one for an output and it caused all sorts of problems. Pin one is different!!

I am concerned about the performance of the pendulums. The present database. (I just noticed that the excel does not pick up the day, only the minute.)

The running database has about 89k lines. I pulled out a sample at 2000,20000,30000,4000050000,60000,70000 and 80000. The quality is not consistent.

The lines are at: 182800,181850 and 1815000. I feel like the middle line is causing the problems. It looks good one dya then drifts down and blurs the lower line, then goes back up. My inclination is to just scratch it altogether. Replace it with the southers clock. Then maybe pump the numbers up to the others for graph purposes.

Alpha 1828

Beta 1815

Theta 1819

So theta looks like the problem. That is the one on the right.

Move the southers clock downstairs and do it now?

Flatten out the rock to accept the platform?

Order the new rotating pendulums? Done

Xxxxxxxxxxxxxxxxxxxxxxxxx

First big data:

Summary\_database.

It went fine. The format of the two pairs of objects was not carefully made. Okay

Data:

This is April 26 into January. All the no-sort-data

The data looks terrible. Two of the three pendulums are clearly having problems.

The software worked pretty well for a beta protopype . If the date\_var is not set correctly, then the softwre makes the same number.

Dec26\_2019 database is missing 12/26-1/9

Xxxupload to github

This is the first prototype and works okay. The databases are added one at a time, (a pain) and the start date of the databae must match the start date of the database. (also a Pain) This python script is using the newer databases that are not sorted in the databae.