Activity date → Accel eg over lest min [0-254] → ZB - 16th for Used?

Mex size of meands -> So.400B Countly, 10.080 datapoints 3 Data ploaded on demand

1 Data stored in Slash

3 Data Johnat [tz) 36/1 ts | 36/1 13

T How to compress the transmitted data?

⊙ Study deze

- @ Investigate ideas for compression (& how to decompress)
- (3) Include edge cases/problems & solutions
 (4) Create like structure & necessary functions

LC lossless compression techniques

Replaces repeated values by value and # repetitions

Given to always changes by nativity is only 13, REE will not provide meaningful improvements.

Assumptions

J () 4B ts -> Epoch ts increases strictly every minute

(3) Only included "light" compression methods due to limited resources. Consider Alimatic coding if more compression is desired.

Requested data will be a series of contiguous to

[250, 250, 250, 248, 248, 249, 249] - 78

Problems

(7) What happens when its updates and a previous value gets overwritten?

Replaces values by initial value and the difference

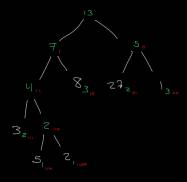
This encoding would be really useful for the ts, assuming (A2). Again, effectiveness for the activity data will deppend on the swings in values.

100, 101, 102, 103, 103 & DE

If the previous compression techniques are not Jeasible, using HE or AE can provide better results with a higher complexity and resources tall

[1, 5, 3, 8, 8, 1, 27, 3, 1, 8, 27, 2] -> 13B

Create a variable-length prefix code, where no code is a predix of another code



Frame mods

1) Use initial date only. Increment I min for every gos increase when reading frame + Allous up to (([page_size] - 4B - are) x [page_nr])B of data to be stored no Almost 4x more data density

We can include a datapoint at the beginning of every blash page to account for lost data, rebooting, etc. also including a cre at the end of each page. Although if page is not full, we should still be able to retrieve the data.



ts,

Flash page initial to data should be stored in HV memory for easy access to previous data.