AI on Hi-ASAP 2020: Q&A

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1. Get calibration factor

**Question 1:** From Ha Chi

I got the .csv output for date 4/10/2020 only (in attachment). But I copied all csv and xlsx files from the "ASLung\_Calibration\_Factor\_RawData" folder you provided into the same name folder of pycharm\_project. Why couldn't I get the calibration factors results of date 04/08 and 04/09 even when I have modified the data time format of time column to be consistent with date 04/10?

**Answer:**

The fully data comparison period is from 4/8 to 4/10, we set the last date of 4/10 as “Start\_date”.

The aslung device save data day by day, you will have, so there are three data files in a fully comparison period.

**Question 2:** From Ha Chi

Could you please explain more clearly the slice No.4 about "Modify the data time format of time column"?

**Answer:**

The data time format should be “yyyy/mm/dd hh:mm:ss”, “yyyy-mm-dd hh:mm:ss” or "mm/dd/yyyy hh:mm:ss", you can modified the data time format in the excel file.

Ex:

yyyy/mm/dd hh:mm:ss=>2020/10/06 09:46:00

yyyy-mm-dd hh:mm:ss=>2020-10-06 09:46:00

mm/dd/yyyy hh:mm:ss=>10/06/2020 09:46:00

1. Data cleaning

**Question 1:** From Ha Chi

I followed the guideline in the presentation but there is no any outputs if I use the google link provided in GoogleSheetAndAPI.xlsx (I had copied the output of calibration factors to this link before copy to run.py)

I tested with the original run.py, it run well. So I believe the step of getting calibration factors might go wrong somewhere. Could you please help to solve this problem?

**Answer:**

The data set of get calibration factor and calibrate AS-Lung data are different.

There is no calibration factor to fit the test data set of AS-Lung in yours google sheet, so you cannot see any output in the folder.

If you want to try how to calibrate AS-Lung data, please do not change the calibration factor API or copy the factors to yours google sheet(GoogleSheetAndAPI.xlsx). I have modified the out in the running window, it will show “**There is no calibration factor at the sampling time of XXXXX !**”

The factors of calibrate AS-Lung are in the google sheet (<https://docs.google.com/spreadsheets/d/1yuvjPvsr1sEzm_pXpZWpnMxEC3WbsKn65V-apohp86E/edit#gid=0>), the link also show in the PDF file(page 10)

BTW, I found a little bug when write aslung id into the calibration factor file, it has been fixed.

If you download the source code before 10/6, please update it.