Battery age estimation:

* During the battery ageing process, I use the average of charging and discharging currents every 1 minute, this means the battery aging is more accurate.
* I will generate the instance cycle life estimation method; it will be more accurate.
* The battery age threads should be in another method or module
* *New task: estimation of the car range, according to the battery status; SOC and SOH.*
* Design, Modeling and Implementation of Distributed Architectures for Modular Battery Packs
* **Cloud computing** is a model that enables ubiquitous, convenient, on-demand access to a shared pool of configurable computing resources that can rapidly be provisioned at any time and from any location via the Internet or a network.
* After finishing the SOC coding, I have to modify the code for four cells.
* In this work, I have to maintain the temperature on 25° C, it will keep the coulombic efficiency to be high at 99 %.
* These methods are coded according to the methodology which is published in: Andrea, Davide. *Battery management systems for large lithium-ion battery packs*. Artech house, 2010, pp. 189-192. And Tan, C.M., Singh, P. and Chen, C., 2020. Accurate real time on-line estimation of state-of-health and remaining useful life of Li ion batteries. Applied Sciences, 10(21), p.7836.
* 0,10,5,2,3,10,10,0,0,30,15,10,20,10,0,0,0,0,0,0,0,15,10,10,5,10,10,0,0,10,10,0,0,0,0,25,35,0,0,20,40,0,0,0,0,0,0,0,0,0,0
* File "e:\Masterarbeit\BMS-for-Electric-Vehicles-\cloud code\update\_coulombic\_efficincy.py", line 22, in get\_discharged\_capacity
* current = float (file.read())
* ValueError: could not convert string to float: ''