**The notes of the self\_written files**

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**11/19/2022**

* To save time to converge, I have set the "train\_config": "n\_iters": 500 in the config json file for all 4 algorithms. The original version from the authors are set as "n\_iters": 200000 (CSDI), or "n\_iters": 150000 (SSSDS4),or "n\_iters": 200000 (SSSDSA).
* There are some setting mistakes in the original version files. Most of these mistakes are in the json setting information parts (e.g, "trainset\_config": "data\_path" should be "train\_data\_path", "use\_model" in config\_SSSDSA should be 1 rather than 2, "in\_channels": 12 and "out\_channels": 12 should be both 14, the file name of “entensions” should be “extensions” then the S4Model can be run) then the “tran.py” can be run.
* There are only three available imputers: (1) CSDI (2)SSSDS4 (3) SSSDSA can be directly used with the “train.py”. Because in the setting of “train.py”, there are only three options: use\_model (int): 0:DiffWave. 1:SSSDSA. 2:SSSDS4. If we would like to test other imputers like CSDIS4 or S4Model (provided by the authors) then we need to announce them in the “train.py”: use\_model.
* In SSSDSA algorithm, the iteration checkpoint cannot be saved and the output is always: [pyKeOps] Warning : keyword argument dtype in Genred is deprecated ; argument is ignored.
* The output of the testing results will be saved in my “train folder” such as “train\_90”. The output files are: “mask1.npy” and “original1.npy”.