**The introduction of the uploaded files**

**Zihao Liu**

1. Final\_report → The final report
2. Stock\_price\_data → Stock (three indexes) collection python codes
3. TensorFlow\_train\_self\_written1\_SSSDS4 →Transformed SSSDS4 algorithm under TensorFlow framework, training part
4. TensorFlow\_test\_self\_written1\_SSSDS4 →Transformed SSSDS4 algorithm under TensorFlow framework, testing part
5. TensorFlow\_train\_self\_written1\_CSDI → Transformed CSDI algorithm under TensorFlow framework, training part
6. TensorFlow\_test\_self\_written1\_CSDI → Transformed CSDI algorithm under TensorFlow framework, testing part
7. config\_SSSDS4 → configuration json file used in SSSDS4
8. config\_DiffWave → configuration json file used in CSDI
9. SSSDS4Imputer → SSSDS4 imputer file used in SSSDS4
10. DiffWaveImputer → SSSDS4 imputer file used in CSDI
11. S4Model → S4 layer file used in SSSDS4
12. Util → the utils functions used in both algorithms
13. stock\_train\_self\_written1\_SSSDS4 → SSSDS4 algorithm with the input stock data under Pytorch framework, training part
14. stock\_test\_self\_written1\_SSSDS4 → SSSDS4 algorithm with the input stock data under Pytorch framework, testing part
15. stock\_train\_self\_written1\_CSDI → CSDI algorithm with the input stock data under Pytorch framework, training part
16. stock\_test\_self\_written1\_CSDI → CSDI algorithm with the input stock data under Pytorch framework, testing part
17. stock\_config\_SSSDS4 → configuration json file used in SSSDS4 with input stock data
18. stock\_config\_DiffWave → configuration json file used in CSDI with input stock data

**Note:**

* Due to the file size limitation of Github, to check all the output results and stock data, please go to my Google Drive:

https://drive.google.com/drive/folders/14ggV2cZM6xx2kWOd7GGtji8u3E\_-Rxaz?usp=sharing