

Reproducibility report

The main results of this IEEE Transactions on Sustainable Energy (TSTE) paper were reproduced when Chapter 3 of *Data Science for Wind Energy* was written. This report makes use of the datasets and code available on the DSWE booksite. When the results were reproduced, some of the outcomes may have changed, due to various random factors in data processing and the algorithms. The results presented in the DSWE book are closer to what can be produced by the following datasets and code.

1. **Data.** Go to <https://aml.engr.tamu.edu/book-dswe/dswe-datasets/> and get Dataset #4, Wind Spatio-Temporal Dataset2.
2. **Code.** Go to <https://aml.engr.tamu.edu/book-dswe/dswe-code/> and get Chapter 3 code. The following table presents the cross-reference between the figures and tables of the two sources.

The results in Tables I–IV are produced using the datasets “pp1” to “pp4,” which are embedded in the Chapter 3’s code package.

DSWE Chapter 3	TSTE paper
Figure 3.4	Figure 3
Figure 3.5	Figure 5
Figure 3.6	Figure 7
Figure 3.7	Figure 8
Table 3.4	Table I
Table 3.5	Table II
Tables 3.6, 3.7	Table III
Table 3.8	Table IV