EE 399 SPRING QUATER 2023
Instructor: **J. Nathan Kutz**

HOMEWORK #6:
DUE: Midnight on 5/22 (Extra credit if turned in by 5/19)

Go to the following GitHub

`https://github.com/Jan-Williams/pyshred`

1. Download the example code (and data) for sea-surface temperature which uses an LSTM/decoder
2. Train the model and plot the results
3. Do an analysis of the performance as a function of the time lag variable
4. Do an analysis of the performance as a function of noise (add Gaussian noise to data)
5. Do an analysis of the performance as a function of the number of sensors