CCBDA HW3 Anomaly Detection (Autoencoder)

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Method: (brief description, do not exceed half page) (ex. data processing, model architecture, training parameter, …)

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| data processing : specify different seq\_len to fit each sensor’s data.  model architecture : 2 LSTM for encoder, 2 LSTM and 1 fc for decoder  training parameter :  lr : 5e-4 \* batch\_size (Linear Scaling Rule)  min\_lr : 1e-6  epochs : 800  clip\_grad : 3  data\_seq\_len : [120, 30, 100, 100, 40] |

Reference: (Specify the source of your code.)

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| https://github.com/chrizchow/MLHelloWorld/blob/main/LSTMAutoencoder/HeartbeatAutoencoder.ipynb |