CCBDA HW3 Anomaly Detection (Autoencoder)

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

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.)

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