High Integrity Systems Project
TSA Tasks 09

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Exciting news: There is a new model!

1. Please research and explain the *xLSTM*!
   Beck, M., Pöppel, K., Spanring, M., Auer, A., Prudnikova, O., Kopp, M.,
   Klambauer, G., Brandstetter, J. and Hochreiter, S., 2024. xLSTM: Extended
   Long Short-Term Memory. arXiv preprint arXiv:2405.04517.

2. And here is the extension for TSA: *xLSTMTime*
   Alharthi, M. and Mahmood, A., 2024. xlstmtime: Long-term time series
   forecasting with xlstm. AI, 5(3), pp.1482-1495.

3. Please download the code and run the examples!