

LSTM research

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LSTM

- RNN with long and short term memory
- wow

1 Usage of existing code

- Notebook tutorial for using LSTM used in paper [1] can be found at https://github.com/kratzert/pangeo_lstm_example
- Code for paper [2] can be found at https://github.com/kratzert/ealstm_regional_modeling

References

- [1] F. Kratzert, D. Klotz, C. Brenner, K. Schulz, and M. Herrnegger, “Rainfall–runoff modelling using long short-term memory (lstm) networks,” *Hydrology and Earth System Sciences*, vol. 22, no. 11, pp. 6005–6022, 2018.
- [2] F. Kratzert, D. Klotz, G. Shalev, G. Klambauer, S. Hochreiter, and G. Nearing, “Towards learning universal, regional, and local hydrological behaviors via machine learning applied to large-sample datasets,” *Hydrology and Earth System Sciences*, vol. 23, no. 12, pp. 5089–5110, 2019.