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Depth

a comparison of performance across increasing depth (ie an increasing number of LSTM layers. Max Depth constrained by GPU memory limitations.

Based on test-train graphs, there are 3 models that are arguably the best performing:

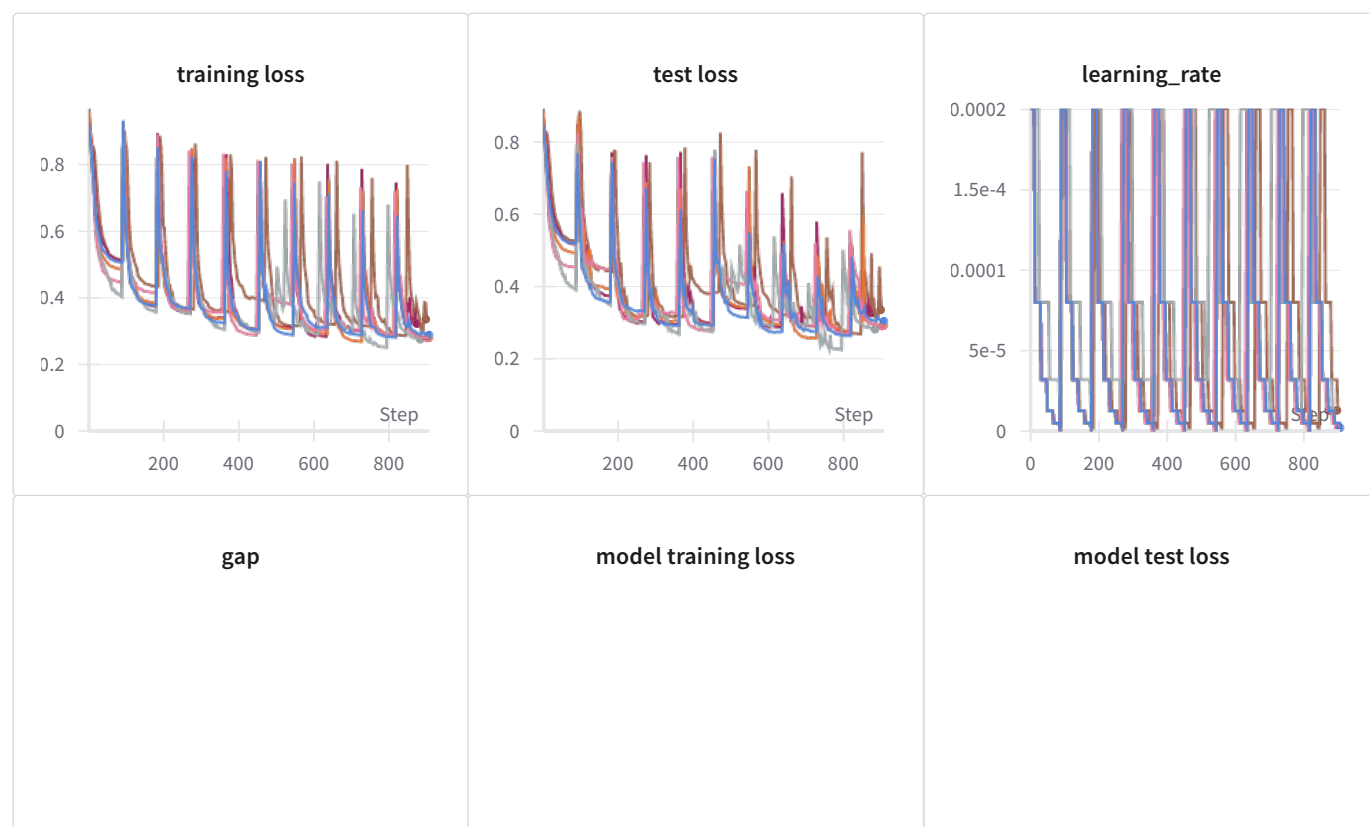
- 4 layers with standard LR
- 4 layers with more aggressive LR
- 6 layers with standard LR

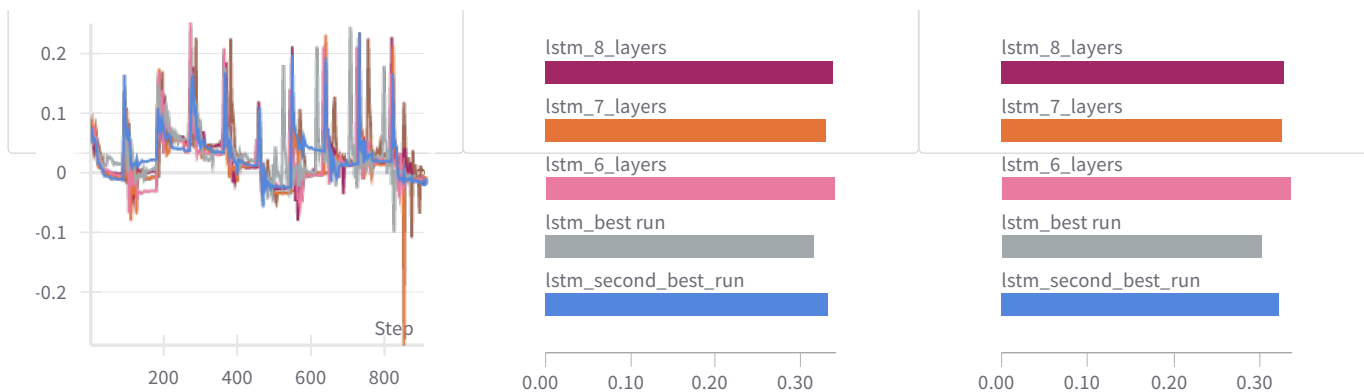
IMO 7 layers is the best because:

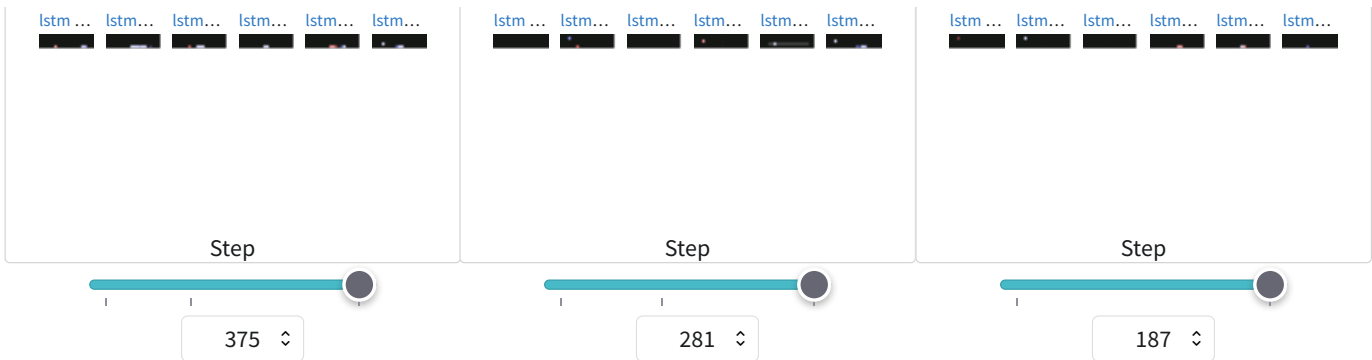
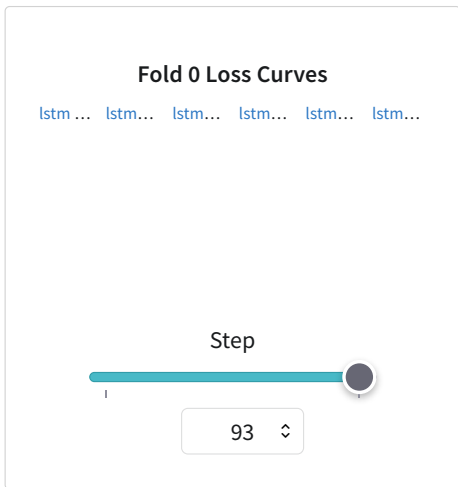
- The test train graphs looks the best
- the final MAE is the 2nd lowest
- the average MAE is the 2nd lowest
- the generalisation gap is 2nd lowest

Michael Kingston

Section 1

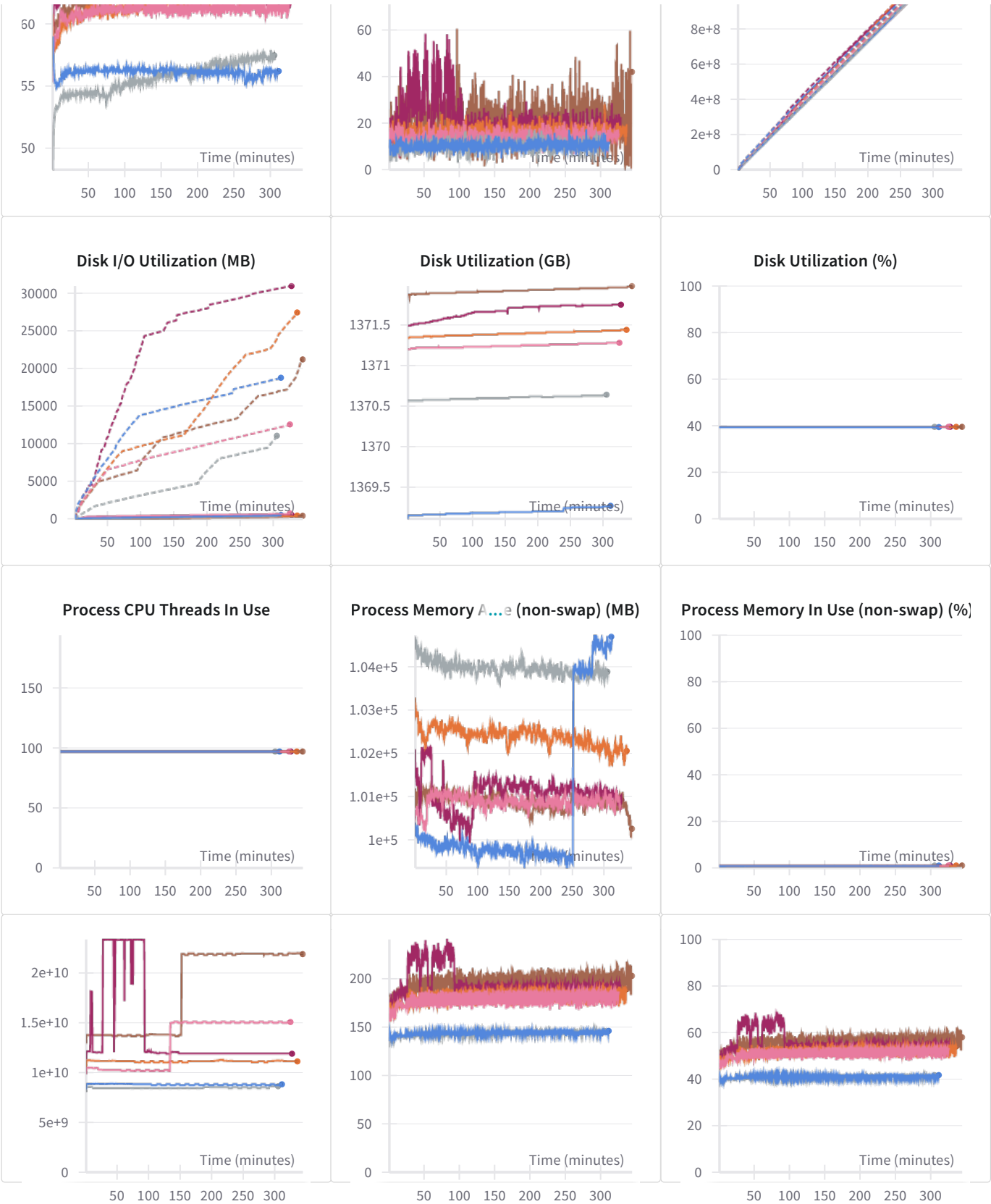






system/gpu.proce...oryAllocatedBytes	Process GPU Power Usage (W)	Process GPU Power Usage (%)
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Created with  on Weights & Biases.

https://wandb.ai/michael_kingston/electricity_demand_forecasting/reports/Depth--Vmlldzo3NTM1MTk4