

to_do

Christopher Cundy

October 22, 2017

Contents

1 To do for paper

1.1 Edit all

1.2 Look up templates etc, double-check there's not one out there

1.3 Do and write up the experiments

1.3.1 Synthetic Task

1. Already done, written up. Need to review

1.3.2 Medical Task

1. Being done, need to check on testing set
2. Need to write up

1.3.3 Throughput Task

1. Chat to Eric about this
2. Just generate random data

1.3.4 PLR/SLR comparison

1. Do that for random data
2. Do a 2-layer network, with varying seq_{len}

3. Report the throughput

Seq Len	PLR	SLR
1		
16		
256		
4096		
65536		

4. Do for SRU, LS-LSTM, and the QRNN

1.4 Collate the experiments and smooth

1.5 Think about the overall message of the piece and rewrite as necessary

1.6 Send to Adam, Andy to check

1.7 Submit

1.7.1 Then go to party and relax the fuck out

2 Timeline

2.1 Saturday evening:

2.1.1 Done interesting medical results, tested on testing set

2.1.2 Looked at throughput task

2.1.3 Done PLR / SLR throughput task

2.2 Sunday evening:

2.2.1 Fully written up medical task

2.2.2 Written up throuput and PLR/SLR task

2.2.3 Start editing the paper, smoothing into a cohesive whole

2.3 Monday evening:

2.3.1 Finish editing, send off to everyone else

$$31.4 * (4.3 * 6) = \sim 50 * \sim 74 \text{ } 135 * 190$$