0.1 Day to day report

0.1.1 Week 1

2018/04/23 M

Time spent 8h30-12h00 (3h30) 13h45-18h00 (4h15)

Overtime 0h45

Day activities Article over basic concepts of RNN Definition of subject & objectives

2018/04/24 T

Time spent 8h20-12h50 (4h30) 13h35-16h15 (2h40)

Overtime 0h10

Day activities Documentation reading Official pytorch tutorial Grid'5000 inscription process

2018/04/25 W

Time spent 8h15-12h40 (4h25) 13h30-16h50 (3h20)

Overtime 0h45

Day activities SSH initialisation and turorials Handling Grid'5000 Testing if G5k Miniconda envir worked Testing reservation methodes Cloning repository reading "growing.md" reading "README.md" analysing and cleaning "get-data.sh"

2018/04/26 T

Time spent 8h45-12h00 (3h15) 13h20-17h15 (3h55)

Overtime 0h10

Day activities Initializing git repository on Grid'5000 Nancy site and import data Reading base architecture of the python script Correcting first set of bugs in detrnn.py Running a short performance test of detrnn.py (see corresponding report)

2018/04/26 F

Time spent 8h30-12h15 (3h45) 12h35-16h05 (3h30)

Overtime 0h15

Day activities Implementing plot drawer Launching 24h test Implementing plot data backup in case of interruption Drawing plot for 4 epoch (5h33 run time) Beginning Analysis of growing code

Overview

This week was dedicated to the formation on technologies: PyTorch, Anaconda and Grid'5000. It was also spent on familiarizing with the concepts of RNN and LSTM, and with the codebase in the repository.

0.1.2 Week 2

2018/04/30 M

Time spent 8h20-12h05 (3h45) 12h35-17h30 (4h55)

Overtime 1h40

Day activities Reading and "cleaning" Multi-scale Neural Network (MSNN) implementation. Launching 80h long experiment

2018/05/02 W

Time spent 8h40-12h35 (3h55) 13h35-17h30 (3h55)

Overtime 0h50

Day activities Debugging growing

2018/05/03 T

Time spent (7h45)8h00-12h10 (4h10) 13h00-15h50 (2h50)

Overtime 0h10

Day activities End of debugging (segfault) Begin implementation of new strategies to transmit outputs Begin research of new strategies to transmit hidden to next layer

2018/05/04 F

Time spent 8h00-12h20 (4h20) 13h20-15h00 (1h40)

Overtime -1h00

Day activities debug end of epoch running Launch of growing first version (4 epochs)

Overview

Making basic MSNN work

0.1.3 Week 3

2018/05/07 M

Time spent 8h20-12h20 (4h00) 12h20-17h20 (5h00)

Overtime 2h00

Day activities shifting plot system to a more flexible one

2018/05/09 W

Time spent 8h10-12h25 (4h15) 13h55-15h30 (1h35)

Overtime -1h10

Day activities ?

2018/05/11 F

Time spent 8h00-12h00 (4h00) 12h45-16h15 (3h30)

Overtime 0h30

Day activities Updating pytorch Changing transmitted from output to hidden Cleaning args implementing basic VisualDL system

Overview

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0.1.4 Week 4

2018/05/214M

Time spent 8h20-12h30 (4h10) 13h15-14h30 (1h15) 17h30-24h00 (6h30) [HOME]

Overtime 4h55

Day activities implementation of new validation system 1/2 RUNNING A 4 EPOCH 12 H TEST implementing 'cat' output strategy

2018/05/15 T

Time spent 9h00-11h30 (2h30) 12h30-16h00 (3h30)

Overtime -1h00

Day activities ?

2018/05/16 W

Time spent 8h20-12h25 (4h05) 13h35-16h30 (2h55)

Overtime 0h00

Day activities ? Gradient visualisation

2018/05/17 T

Time spent 10h00-12h30 (2h30) 13h35-18h00 (4h25)

Overtime -0h05

Day activities Reunion d'info securit Loria mise en place de visualisation avances

2018/04/26 F

Time spent 8h30-12h30 (4h00) 13h35-16h35 (3h00)

Overtime 0h00

Day activities debug export and vizualize

Overview

0.1.5 Week 5

2018/05/22 T

Time spent 8h30-12h50 (4h20) 13h50-16h00 (2h40)

Overtime -0h30

Day activities ?

2018/05/23 W

Time spent 8h25-12h35 (4h10) 13h45-17h15 (3h30)

Overtime 0h40

Day activities Memory consumption estimation and analysis

2018/05/24 T

Time spent 8h25-12h20 (3h55) 13h20-16h25 (4h40)

Overtime 1h35

Day activities Implementation of the job saving system Improving memory system Type specification

2018/04/26 F

Time spent 8h20-12h20 (4h00) 15h00-18h00 (3h00)

Overtime 0h00

Day activities Implementation of the job saving system

Overview

0.1.6 Week 6

2018/05/28 M

Time spent 9h15-12h10 (2h55) 13h10-17h00 (3h50)

Overtime -0h15

Day activities Repairing memory leak by implementing explicit history

2018/05/29 T

Time spent 8h20-12h35 (4h10) 13h45-17h15 (3h30)

Overtime 0h40

Day activities Implementing a run time optimization (Truncated BPTT) Report on problems of batch-based training on Large-corpus MSNN

2018/05/30 W

Time spent 9h30-12h30 (3h00) 13h30-17h30 (4h00)

Overtime 0h00

Day activities Improving memory problems, testing and debugging Reading "exploring the limits of language modeling"

2018/05/31 T

Time spent 8h30-12h30 (4h00) 13h30-18h00 (4h30)

Overtime 1h30

Day activities Extract every method involved in forward pass, to split training and evaluation, and remove all history from evaluation Meeting with C. Cerisara Meeting with Jeanine Souquires Implementation of corpus batch rotation

2018/06/01 F

Time spent 10h00-12h20 (2h00) 14h00-17h30 (3h00)

Overtime 0h00

Day activities Preparing and running 6 experiments

Overview

0.1.7 Week 7

2018/06/04 M

Time spent 8h45-12h15 13h25-16h00

Overtime

Day activities Re-launching failed jobs from last week Analyzing results Meeting with C. Cerisara

2018/06/05 T

Time spent 8h30

Overtime

Day activities Implementing pre-initialisation of the network Dismanteling network to find memory leak Memory leak debug 1/2

2018/06/06 W

Time spent 8h15-

Overtime

Day activities Memory leak debug 2/2

2018/06/07 T

Time spent 8h15-

Overtime

Day activities Meeting and starting job

2018/06/08 F

Time spent 8h15- -18h

Overtime

Day activities Reading on attention models Implementing attention model Beginning analysis of results

0.1.8 Week 7

2018/06/11 M

Time spent 8h15-12h15 13h25-16h00

Overtime

Day activities Analyzing results Writing report on long run

2018/06/12 T

Time spent 8h15-11h30 14h00-18h00

Overtime

Day activities Analyzing results Writing report on long run

2018/06/13 W

Time spent 8h05-12h10 13h05-16h00

Overtime

Day activities Analyzing results Debugging batch/rotation

2018/06/14 T

Time spent 8h05-

Overtime

Day activities Analyzing results