

Y4 Project meeting 13 record (Semester 2 Week 3)

Date and time: 27/01/20, 14:00-15:00

Attended by: Guy, Harry and Hin

Discussed:

1. Brief discussion of everybody's progress in the past week.

2. Batch size, Nadam, SGD - discussion

Main takeaways:

- Later on in training you don't want large learning rates and small batch sizes.
- SGD seems to perform well later on.
- Incrementally increase the batch size, and so that it doesn't take forever you also need to DELICATELY increase the learning rate. In order to converge quickly but keep stability

3. Dex discussion

- Basics of how uncertainty maps to dex
- Deriving the equation to map uncertainty to dex

To do:

Students:

- Agree on time for next week's (Skype) meeting
- Continue attempts to achieve 0.005 dex

Guy to do:

- provide link to adaptive batch sizes paper
- give time suggestions for next week's (Skype) meeting

Next meeting: TBC, potentially 04/02/2020 over Skype

Recorded by: Harry