Semester Project – Weekly report

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Title: Extending Dynamic Structure in Memory Network for Response Generation

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1. Goal of the passed week:

   Code a functional DMN based on Therne code.

   Read the article A hierarchical recurrent encoder-decoder for generative context-aware query suggestion

2. Work done & problems encountered::

   The code is running, but

   - Accuracy is really low (15-25% depending on the tasks, the papers archieved >95%. However, 15-25% accuracy mean that the model is kinda working and learning, as a random model would have much lower accuracy).
   - It takes a lot of time to compute. Depending on the task, on my second laptop, it takes ~11h-22h of computation.
   - I don't understand quite well yet how tensorflow work, so I'm having some problem trying to understand what I'm doing... This is (probably?) why the accuracy is so low, I guess I failed somewhere in my code. I'm following some tutorials about tensorflow to fix that.

3. Potential goal for next week:

   My project presentation is the 17/03, so I'm planning to take some time to prepare for it. I also would like to spend more time on my DMN to fix the accuracy problem.