

Bi-monthly Report

张诗悦

Read six papers

- Bahdanau D, Cho K, Bengio Y. **Neural Machine Translation by Jointly Learning to Align and Translate**[J]. Computer Science, 2014.
- Weston J, Chopra S, Bordes A. **Memory Networks**[J]. Eprint Arxiv, 2014.
- Dyer C, Kuncoro A, Ballesteros M, et al. **Recurrent Neural Network Grammars**[C]// Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies. 2016.
- Zhang Y, Weiss D. **Stack-propagation: Improved Representation Learning for Syntax**[J]. 2016.
 - Reported: http://cslt.riit.tsinghua.edu.cn/mediawiki/images/5/5d/Stack_propagation.pdf
- Firat O, Cho K, Bengio Y. **Multi-Way, Multilingual Neural Machine Translation with a Shared Attention Mechanism**[J]. 2016.
 - Reported: http://cslt.riit.tsinghua.edu.cn/mediawiki/images/5/5f/Multi-Way%2C_Multilingual.pdf
- Sukhbaatar S, Szlam A, Weston J, et al. **End-To-End Memory Networks**[J]. Computer Science, 2015.

Read two source codes

- RNNG: <https://github.com/clab/rnng>
 - Read, ran, understood, and modified
- MemNN: <https://github.com/facebook/MemNN>
 - Read, ran, and understood

Wrote 3 reports

- ViviEngine.functional :
<http://csit.riit.tsinghua.edu.cn/mediawiki/images/a/aa/ViviEngine.functional.pdf>
- RNNG Code Use Guide:
http://csit.riit.tsinghua.edu.cn/mediawiki/images/2/2b/RNNG_Code_Use_Guide_simplified.pdf
- RNNG Document:
http://csit.riit.tsinghua.edu.cn/mediawiki/images/e/e6/RNNG_Document.pdf

Did a simple experiment

- RNNG+Memory:

<http://csit.riit.tsinghua.edu.cn/mediawiki/images/2/2f/RNNG%2Bmm%E5%AE%9E%E9%AA%8C%E6%8A%A5%E5%91%8A.pdf>

Future

- Go on with the RNNG+Memory
- Target: IJCAI or ACL

Timeline

