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What We've Got

- Pretty good DSE extraction results. [1].
- Better than [2]'s Agent extraction results.
- Strange and very bad Target extraction results.

DSE

1 Hyperparameter Tuning

2 Train with different Wordvector

Agent

Target

1 Using the Original RNN Structure

2 Merge the Input Labels

3 Multitasking

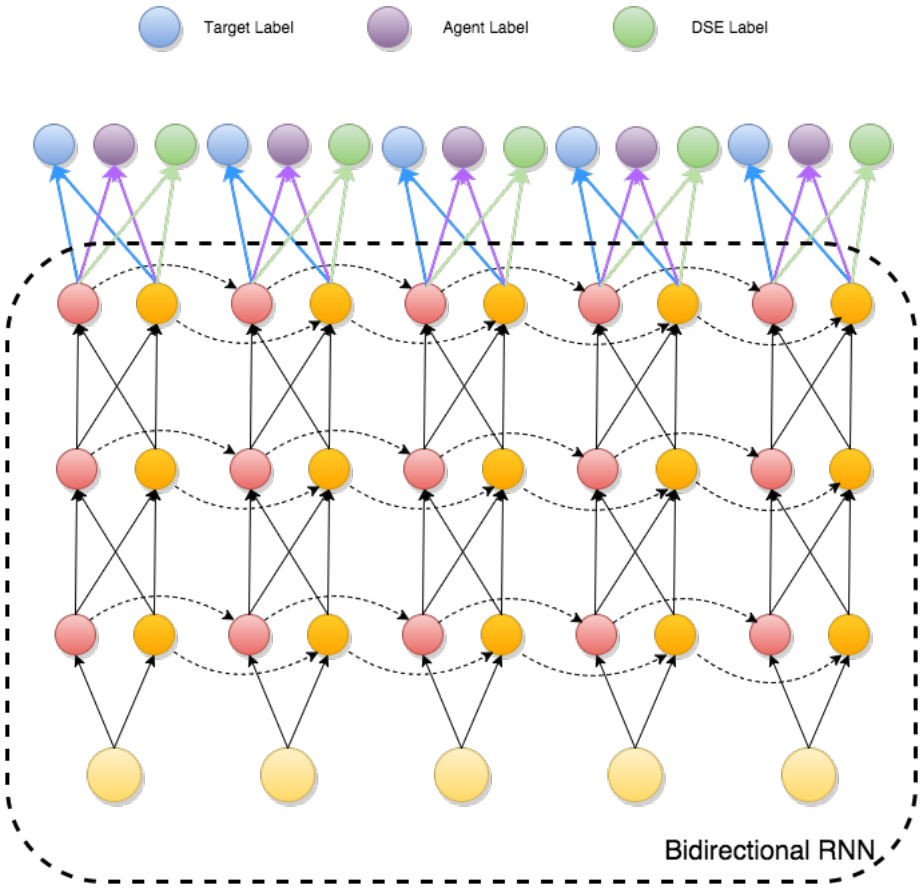

Figure 1: *Multitask RNN*

Bibliography

[1] Ozan Irsoy and Claire Cardie, Opinion Mining with Deep Recurrent Neural Networks, In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 720–728, 2014, Doha, Qatar, http://aclweb.org/anthology/D14-1080 2

[2] Bishan Yang and Claire Cardie, Joint inference for fine-grained opinion extraction, 2013, In *Proceedings of ACL* 2