Project Update - CS287

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INTRODUCTION

The focus of this final project is about non-factoid question answering. To solve the problem on non-factoid QA, we chose to implement memory network type of models and in particular the dynamic memory network presented in [Kumar et al., 2015]. For this first project update, we mainly worked on pre-processing the data form the bAbi dataset, implement a count-base baseline as well as looking at a one hop memory weakly supervised memory network.

1 PRE-PROCESSING

2 COUNT-BASE BASELINE

2.1 MODEL PRESENTATION

QUESTION/WORD EMBEDDING

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SENTENCE MATCHING

REFERENCES

[Kumar et al., 2015] Kumar, A., Irsoy, O., Su, J., Bradbury, J., English, R., Pierce, B., Ondruska, P., Gulrajani, I., and Socher, R. (2015). Ask me anything: Dynamic memory networks for natural language processing. *CoRR*, abs/1506.07285.