

Instructions for *ACL Proceedings

Anonymous ACL submission

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|-----|---|--|-----|
| | Abstract | – small hidden/embedding dims, small vocab -> low accuracy | 029 |
| 001 | | – small hidden/embedding dims, bigger vocab -> higher accuracy | 030 |
| 002 | 1 Introduction | | 031 |
| 003 | TODO: | • ... test different hidden/embedding dims | 033 |
| 004 | • how | • ... test 3/4 objects | 034 |
| 005 | 2 Background and previous work | | 035 |
| 006 | 3 Materials and methods | | 036 |
| 007 | TODO: | • maybe calculation of loss (multiplicating instead of summing loss per token), unlikely, since sequence length short -> shouldn't result in big differences | 037 |
| 008 | • creation of dataset (CLEVR) | • reducing dims of image better the increasing dims of message, increasing dims is not learnable for models | 038 |
| 009 | – multiple 'real' objects in scene | | 039 |
| 010 | – 3 attributes (color, size, shape) differentiate objects | | 040 |
| 011 | – using 'dale' setup to uniquely identify target object | | 041 |
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| 014 | • building a language game using EGG | • Vocab: | 044 |
| 015 | • based on feature extractors ResNet/VGG | – vocabulary could describe attributes of target image (non-discriminative) or describe only differences (discriminative) | 045 |
| 016 | • | – in second case, two images is a far easier task than five images. Hence, much lower accuracy | 046 |
| 017 | • setup of discriminating game of objects in image | | 047 |
| 018 | | | 048 |
| 019 | • message encoder/decoder is auto-encoder | | 049 |
| 020 | • | | 050 |
| 021 | 4 Results | | 051 |
| 022 | TODO: | | 052 |
| 023 | • DaleTwo: | | 053 |
| 024 | – small hidden/embedding dims, small vocab -> high accuracy | | |
| 025 | – high hidden/embedding dims, small vocab -> low accuracy | | |
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| 028 | • DaleFive: | | |