sject: Fwd: Your COLING 2020 Submission (Number 320)
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Massimo Piccardi «Massimo Piccardi @uts edu au», nazanin.esmaili@gmail.com, Gholamreza.Haffari@monash.edu
paper got accepted! Congratulations to everyone and thanks for a great collaboration!
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Chenging Zong Churchy Resident Compose te mile, 3 Despt. 2020 als 19-48 pject: Your COUNG 2020 Submission (Number 320) <i 2="" 2<="" june="" td=""></i>
ar Inigo Jauregi Unanue:
behalf of the COLING 2020 Program Committee, I am delighted to inform you that the following submission has been accepted to appear at the conference:
Leveraging Discourse Rewards for Document-Level Neural Machine Translation
ereviews with comments and suggestions for the final version of the paper are attached below.
e COLING2020 Program Committee, composed of 51 Area Chairs and 1561 Reviewers, worked very hard to thoroughly review over 1900 submitted papers. Please follow their suggestions when you revise your paper.
inal Submission Instructions
en you are finished, you can upload your final manuscript at the following site:
https://www.softconf.com/coline2020/papers/
will be prompted to login to your START account. If you do not see your submission, you can access it with the following passcode:
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ematively, you can click on the following URL, which will take you directly to a form to submit your final paper (after logging into your account):
https://www.softconf.com/coline2020/papers/user/scmd.eu/?scmd=aLogin&passcode=320X-G883G685E6
reviews and comments are attached below. Again, try to follow their advice when you revise your paper.
Jual Submission Instructions
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Originality (1-5): 4
Technical correctness/soundness (1-5): 4
Reproducibility (1-5): 5
Substance (1-5): 3
  Detailed Comments
  This paper proposes doc-level NMT with minimum-risk training using coherence & cohesion objectives.
 Strength:
- The objectives are very well motivated based on classical NLP work,
- Plugging them as NRT objectives seems to slightly improve performance across multiple language pairs.
- The approach makes a lot of sesse and I am surprised it has not been tried before.
  Meablesses:
- The weighting parameter that trades off NRT with MLL should be a hyperparameter tuned on dev set, rather than "tuning" it on the test as done in the tables.
- Missing related work.
- Missing related work.
  Overall this is a nice paper with promising results. I believe it could use more work on thoroughly choosing the metrics, weighting, and other hyperparameters, but since the idea is encouraging I give a slight positive assessment.
Refrence:
- Using Connect in Neural Machine Translation Training Objectives. Saunders, Stahlberg and Byrne, ACL 2020. -- similar MRT training for doc-level BLEU which is part of your objective.
Next ones are mostly for SVIT but I believe much of the observations should still be very relevant:
- Occument-Level Machine Training International Consistency of Non-Local Phenomena. Eve Natrines Garcia, Ph.D. Thesis, 2019.
- Coherence in Machine Translations. Karin Sim Smith, Ph.D. Thesis, 2017.
  Thoughts

- While in general optimizing LC and COH makes a lot of sense, I am not sure about the choice of metrics selected here. How well does this pretrained topic model work qualitatively? Error propagation can be a major issue here.

- Deterministic learning with beam size=2 is a very rough estimate of the actual expected risk. I'm a bit surprised by the result in Edunov &al that it outperforms sampling, and I suspect they might not be using any variance reduction strategies. I would suggest reconsidering sampling, possibly with the approach from Kool et al, Estimating Gradients for Discrete Random Variables by Sampling without Replacement, ICLR 2020.
 Prospect 24 colors parantheses around Xiong et al page 3 type: TextLife (single to page 4 and began to the standard name for this is Expected Risk Minimization or Minimum Risk Training.

page 4 and began to the standard of the standard name for this is Expected Risk Minimization or Minimum Risk Training.

page 5 and results tables: do to write two words in math mode (e.g. "# of cohesion devices", or "CON", or "BLD".) Latex interprets these as multiplication of several one-letter variables, as if you meant c * o * h * e * s * i * o * n ... Instead use \text{\text{to}} or \mathrm{\text{depending of intent.}} In the results tables, you should have $\mathrm{\text{mathrm{(ON)_{\text{\text{wathrm{(OC)}}}} and never $\text{CON_{\text{\text{dec}}}}$}

The standard of the stan
  Reviewer's Scores
                               Overall recommendation (1-5): 4
Confidence (1-5): 3
              Presentation Type: Oral
Recommendation for Best Paper Award: No
   Reviewer's Scores
                                                              Relevance (1-5): 5
         Relevance (1-5): 5
Readability/clarity (1-5): 5
Originality (1-5): 4
Technical correctness/soundness (1-5): 4
Reproducibility (1-5): 5
Substance (1-5): 3
  Detailed Comments
 The paper is proposing serval linguistically activated reasy functions for text generation: lexical chesion and coherence. 
The paper is proposing serval linguistically activated reasy functions from the language pairs with consistent improvements in BLEU score. 
It could have been interesting to evaluate the approach on other tasks of generation like abstractive summarization serval explaned and control to verify consistent improvement in such settings.
             Overall recommendation (1-5): 4
Confidence (1-5): 4
Presentation Type: Poster
Recommendation for Best Paper Award: No
 COLING 2020 - https://www.softconf.com/coling2020/papers
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