

## Online Appendix to: Predicting the Usability of Imperfect Captions for People who are Deaf or Hard of Hearing

SUSHANT KAFLE, Rochester Institute of Technology  
MATT HUENERFAUTH, Rochester Institute of Technology

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This “README” file accompanies our TACCESS article, and describes the contents of the supplementary materials: stimuli used in the PREFERENCE-2018 study ([Appendix A](#)), and the response data collected from participants in the study ([Appendix B](#)).

Reviewers can view the supplementary materials at our laboratory website: <http://latlab.ist.rit.edu/ace2taccess>

### A STIMULI TEXTS IN THE PREFERENCE-2018 STUDY

This appendix contains a CSV file which has the caption-text pairs presented as stimuli during the PREFERENCE-2018 study:

- PREFERENCE-2018/STIMULI/stimuli.csv

The file contains a total of seven columns (with rows represents data for the corresponding columns):

- “reference\_text”: contains the clean, formatted reference text that was shown to the participants
- “hypothesis\_one”: contains one version of the hypothesis shown as the caption
- “hypothesis\_two”: contains second version of the hypothesis shown as the caption
- “ace\_one”: contains the ACE score for first hypothesis (“hypothesis\_one?”)
- “ace\_two”: contains the ACE score for the second hypothesis (“hypothesis\_two?”)
- “ace2\_one”: contains the ACE2 score for the first hypothesis (“hypothesis\_one?”)
- “ace2\_two”: contains the ACE2 score for the second hypothesis (“hypothesis\_two?”).

### B USER STUDY RESPONSE FROM THE PREFERENCE-2018 STUDY

This appendix contains a CSV file which has all of responses we collected from the participants in the PREFERENCE-2017 study:

- PREFERENCE-2018/RESPONSE/response.csv

The CSV file contains the subjective rating score (scale: 1 to 10) received from each of our participants (referenced as columns: “p01”, “p02”, “p03”, ... , “p12”) on each stimuli. Besides the individual response from the participants, the following columns are also shared:

- “Average”: contains the average score of the participants for the stimuli
- “ACE”: contains the ACE score of the stimuli

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- “ACE2”: contains the ACE2 score of the stimuli
- “WER”: contains the WER score of the stimuli

For Review Only