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Peer Review for Project 2

Group 1:

- Summary of the report

  Twitter has become a common platform for people to report real-time emergencies. However, the difference between reporting real disasters and tweeting “fake news” is relatively subtle. This project used state-of-the-art NLP models to distinguish whether a tweet is describing a real disaster or not.

  The main body of the poster includes:
  1. Introduction: Background of this Kaggle contest
  2. Dataset: EDA and data pre-processing with visuals
  3. Models: Machanisms of two models used – RoBERTa and XLNet, and their comparisons
  4. Results: Pretty good Kaggle test scores from both models
  5. Limitations: Potential improvements in current work

- Strengths of the report:

  Cutting-edge models (RoBERTa and XLNet) in the NLP field were used in this project and achieved inspiring results.
  The underlying mechanisms and improvements of these two models compared to baseline BERT or Transformer were discussed in detail in their report, highlighting the distinct design of “masking”.

- Weakness of the report:

  Model training techniques and parameters were not included in this report. Readers may need to check the source code for first-hand information.

- Evaluation on quality of writing - 5:

  The report was written clearly and logically from data overview to the results. The structure and mechanisms of models were demonstrated with written contents and graphs.

- Evaluation on presentation - 4:

  The presentation from SONG was concise and informative. The presentation from CAI was a bit hard to follow because he mainly used equations and words to explain some novel methods involved in XLNet training. It would be better to include some visuals if possible.

- Evaluation on creativity - 5:

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The use of two state-of-the-art NLP models was very intriguing. It would be better to also check how ELECTRA performs for this specific task, as suggested by the professor.

- Confidence on your assessment – 3