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Topic: Disaster prediction of tweets with NLP

Report: 2

Difficult to follow along with analysis solely from the report. No quantifiable information is given for the training procedure (learning rate? number of epochs? which optimizer? Why?) Some concepts need to be more clearly defined or at least given an overview (BERT pretrain-finetune discrepancy). Some attention could be what distinguishes RoBERTa from BERT instead of just explaining BERT. In the conclusion paragraph, why does XLNet increase the amount of pre-training data? The team should also assess which procedures (eg autoregressive formulation in XLNet) could be applied to other datasets and problems.

Typos:

Figure 1 and Figure 2 labels are swapped (top 10 frequent keywords should be graph on right.) Some grammatical errors. RoBERTa paragraph: "it" is incorrectly capitalized.

Presentation: 4

Clear delivery and pacing from both speakers. Presentation managed to cover many points that were glossed over in the report. Good explanation of RoBERTa's key differences from standard BERT. However, some typos in slides (3.9 "in essence") and some slides (especially explanation of the attention mechanisms in section 3) could have less text and use point form. Also, speaking time between the two speakers is imbalanced.

Creativity: 3

Accuracy is good, but interpretability of the models used in the analysis leave much to be desired. No real change was proposed to the SOTA models. Perhaps analyzing common features of incorrect classifications could help the team further assess the strengths and limitations of the models they used and how they could be improved in the future.

Overall: 3

Confidence: 3