

The performance of scTPR on Red Cross Society set is slightly better than cTPR. The reason for this better performance might be that Red Cross Society is the head noun of many forms like (Red Cross Society of China), (Red Cross Society of China Beijing Branch).

V. Conclusion

In this paper, we propose two context features for Microblog topical keyphrase extraction. They capture the phenomenon that people always express things in various forms while those forms have similarity relationships. In our experiments, those two combined features are shown to be effective, especially in digging out keyphrases which submerged by various forms.

In the future, we will further exploit the representation of the two proposed features. These features are set to be discrete and combined linearly. There should be other potential ways to simulate the real relationship between them.

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