Experiments
Case Study

(a) $s = 0.024$

(b) $s = 0.044$

Fig. 5. Fake News

(a) $s = 0.966$

(b) $s = 0.975$

(c) $s = 0.983$

Fig. 6. True News

- SAFE helps correctly assess the relationship (similarity) between news textual and visual information.

- For fake news stories in Fig. 5, their corresponding similarity scores are all low and SAFE correctly labels them as fake news. Similarly, SAFE assigns all true news stories in Fig. 6 a high similarity score, and predicts them as true news

Conclusion

- Proposed a similarity-aware multi-modal method, named SAFE, for FakeNews Detection

- The method extracts both textual and visual features of news content, and <u>investigates their relationship</u>.

- Experimental results indicate multi-modal features and the cross-modal relationship (similarity) are valuable with a comparable importance in fake news detection.