

Experiments

Setup: Dataset

	PolitiFact			GossipCop		
	Fake	True	Overall	Fake	True	Overall
# News articles	432	624	1,056	5,323	16,817	22,140
– with textual information	420	528	948	4,947	16,694	21,641
– with visual information	336	447	783	1,650	16,767	18,417

<https://github.com/KaiDMML/FakeNewsNet>

- Experiments are conducted on two well-established public benchmark datasets of fake news detection.
- PolitiFact (politifact.com) (2002.05 ~ 2018.07)
 - non-profit fact-checking website of political statements and reports in the U.S.
- GossipCop (gossipcop.com) (2000.07 ~ 2018.12)
 - fact-checks celebrity reports and entertainment stories published in magazines and newspapers.

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Setup: Baselines

- Compare to the following baselines, which detect fake news using
 - (i) textual (LIWC): widely-accepted psycho-linguistics lexicon
 - (ii) visual (VGG-19): use fine-tuned VGG-19 as one of the baselines
 - (iii) multi-modal information (att-RNN):
 - Employ LSTM & VGG-19 with attention mechanism to fuse textual, visual and social-context features of news articles. (exclude social-context feature for fair)