Experiments

Performance Analysis

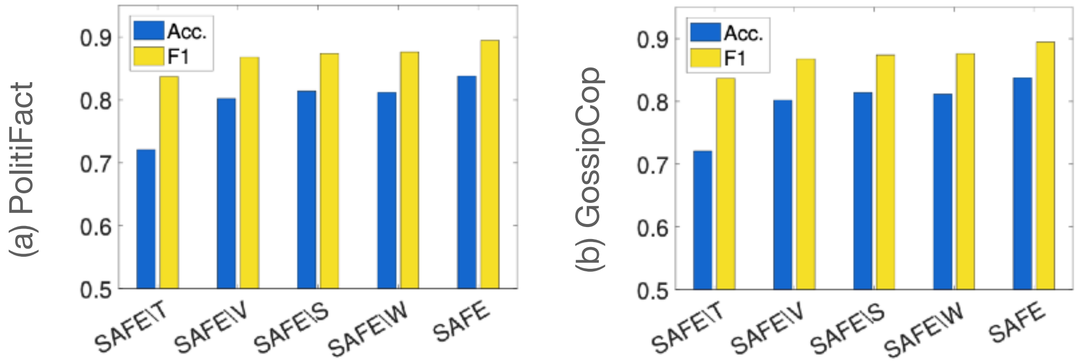
		LIWC†	VGG-19≀	att-RNN‡	SAFE\T≀	SAFE\V†	SAFE\S‡	SAFE\W‡	SAFE‡
Politi-Fact	**Acc.**	0.822	0.649	0.769	0.674	0.721	0.796	0.738	**0.874**
	Pre.	0.785	0.668	0.735	0.680	0.740	0.826	0.752	**0.889**
	Rec.	0.846	0.787	**0.942**	0.873	0.831	0.801	0.844	0.903
	F_1	0.815	0.720	0.826	0.761	0.782	0.813	0.795	**0.896**
Gossip-Cop	**Acc.**	0.836	0.775	0.743	0.721	0.802	0.814	0.812	**0.838**
	Pre.	**0.878**	0.775	0.788	0.734	0.853	0.875	0.853	0.857
	Rec.	0.317	0.970	0.913	**0.974**	0.883	0.872	0.901	0.937
	F_1	0.466	0.862	0.846	0.837	0.868	0.874	0.876	**0.895**

†: Text-based methods ≀: Image-based methods ‡: Multi-modal methods

- While for GossipCop data, such performance is
  SAFE (multi-modal) > VGG-19 (visual) > att-RNN (multi-modal) > LIWC (text)

Experiments

Module Analysis



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- (1) integrating news textual information, visual information, and their relationship (SAFE) performs best among all variants,