

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

- Based on PolitiFact data, the general performance of methods is
SAFE (multi-modal) > att-RNN (multi-modal) \approx LIWC (text) > VGG-19 (visual)

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