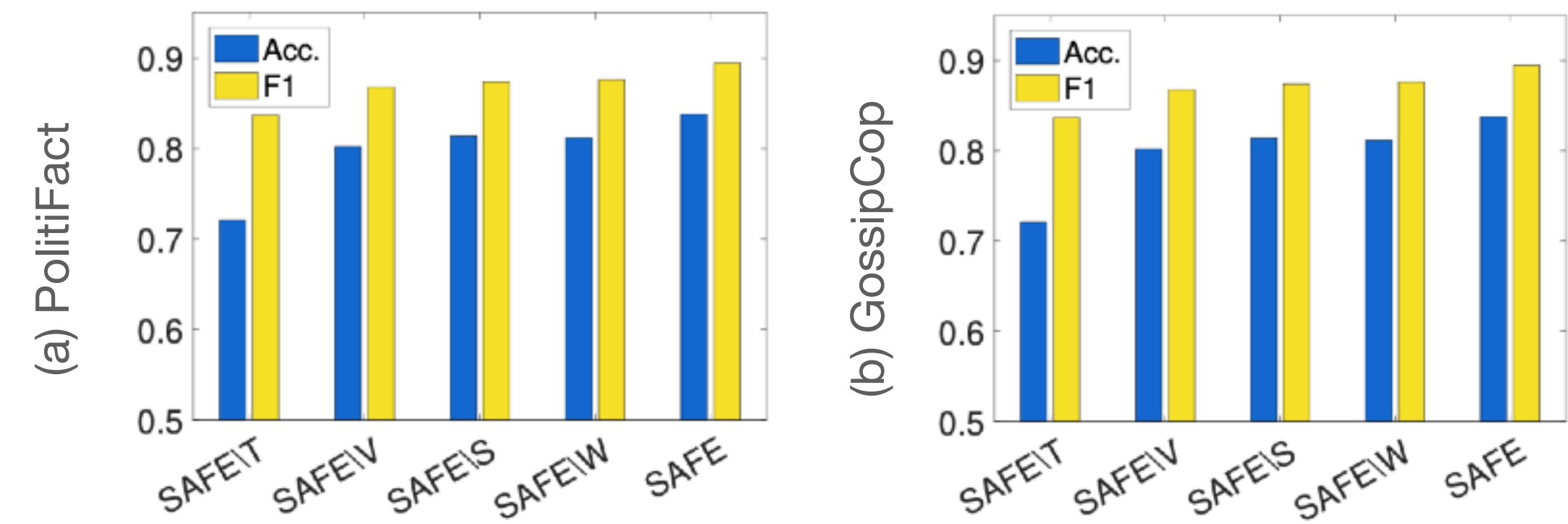


# Experiments

## Module Analysis



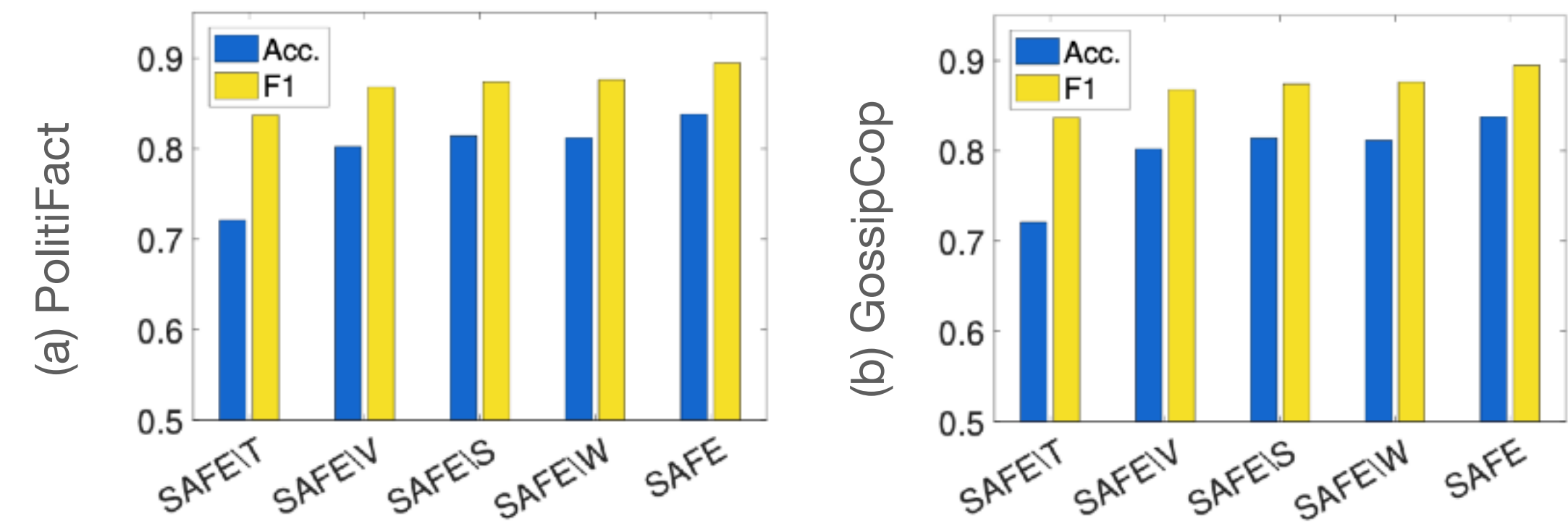
		LIWC <sup>†</sup>	VGG-19 <sup>‡</sup>	att-RNN <sup>‡</sup>	SAFE\T <sup>‡</sup>	SAFE\V <sup>†</sup>	SAFE\S <sup>‡</sup>	SAFE\W <sup>‡</sup>	SAFE <sup>‡</sup>
Politi-Fact	Acc.	0.822	0.649	0.769	0.674	0.721	0.796	0.738	<b>0.874</b>
	Pre.	0.785	0.668	0.735	0.680	0.740	0.826	0.752	<b>0.889</b>
	Rec.	0.846	0.787	<b>0.942</b>	0.873	0.831	0.801	0.844	0.903
	F <sub>1</sub>	0.815	0.720	0.826	0.761	0.782	0.813	0.795	<b>0.896</b>
Gossip-Cop	Acc.	0.836	0.775	0.743	0.721	0.802	0.814	0.812	<b>0.838</b>
	Pre.	<b>0.878</b>	0.775	0.788	0.734	0.853	0.875	0.853	0.857
	Rec.	0.317	0.970	0.913	<b>0.974</b>	0.883	0.872	0.901	0.937
	F <sub>1</sub>	0.466	0.862	0.846	0.837	0.868	0.874	0.876	<b>0.895</b>

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

- (2) using multi-modal information (SAFE\S or SAFE\W) performs better compared to using single-modal information (SAFE\T or SAFE\V)

# Experiments

## Module Analysis



		LIWC <sup>†</sup>	VGG-19 <sup>‡</sup>	att-RNN <sup>‡</sup>	SAFE\T <sup>‡</sup>	SAFE\I <sup>†</sup>	SAFE\I <sup>‡</sup>	SAFE\W <sup>‡</sup>	SAFE <sup>‡</sup>
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- (3) it is comparable to detect fake news by either independently using multi-modal information (SAFE\I) or mining their relationship (SAFE\W)