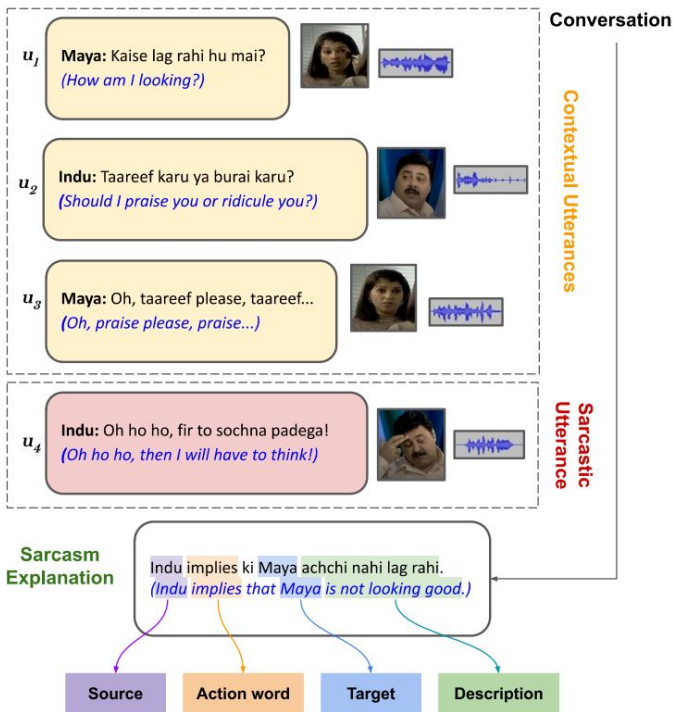


Explaining (Sarcastic) Utterances to Enhance Affect Understanding in Multimodal Dialogues @ AAI'23



Interesting dataset!

WITS: Why Is This Sarcastic?

# Digs	# Utts	# Eng utts	# Hin utts
2240	9080	101	1453
# CM utts	Avg. utt/dlg	Avg. sp/dlg	Avg. words/utt
7526	4.05	2.35	14.39
Avg. words/dlg	Vocab size	Eng vocab size	Hin vocab size
58.33	10380	2477	7903

Novel methods for different challenges!

Code mixing

Multi modality

Info fusion

Explanations help in affect analysis!

Model	Use of Explanation		Sarcasm				Humor				Emotion		
	Train	Test	P	R	F1	Acc	P	R	F1	Acc	P	R	F1
None	0	0	0.57	0.68	0.62	0.57	0.69	0.78	0.73	0.87	0.8	0.78	0.78
MAF	1	0	0.58	0.73	0.65	0.6	0.57	0.87	0.69	0.81	0.78	0.78	0.78
	1	1	0.66	0.77	0.71	0.68	0.73	0.71	0.72	0.87	0.78	0.81	0.79
MOSES	1	0	0.65	0.71	0.68	0.66	0.84	0.63	0.72	0.89	0.79	0.78	0.78
	1	1	0.70	0.83	0.76	0.73	0.72	0.77	0.75	0.88	0.81	0.80	0.80

Much more!

- Ablation studies
- Additional quantitative analysis
- Extensive qualitative analysis

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