

Lexicon-guided Utterance Sentiment Inference

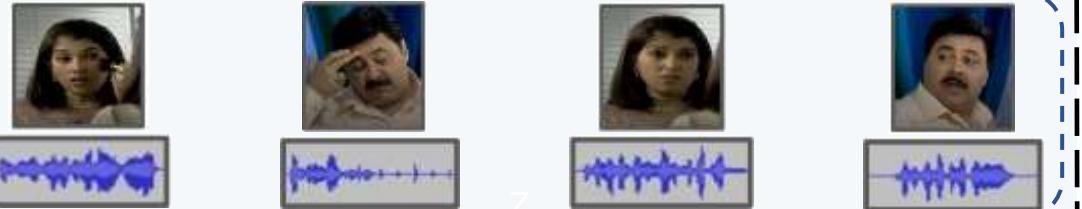
Maya: kaise lag rahi hu mai?
(How am I looking)

Indu: Taareef karu ya burai karu?
(should I praise you or ridicule you?)

Maya: Oh, taareef please, taareef...
(Oh, praise please, praise...)

Indu: Oh ho ho, fir to sochna padega!
(Oh ho ho, then I will have to think!)

Video-audio Joint Sentiment Inference



Heuristic utterance sentiment refinement strategy

neutral
neutral
positive
neutral

Content token

Speaker token

Video-audio Sentiment

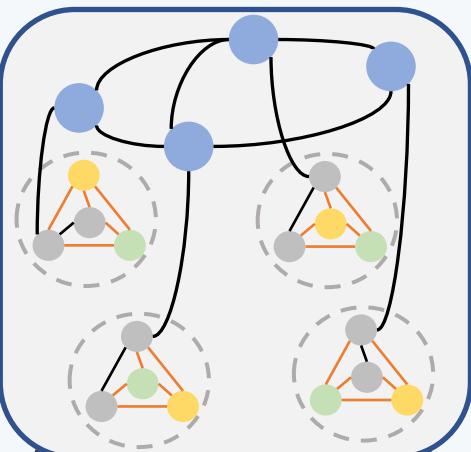
Utterance Sentiment

Context-oriented semantic relation

Sentiment-oriented semantic relation

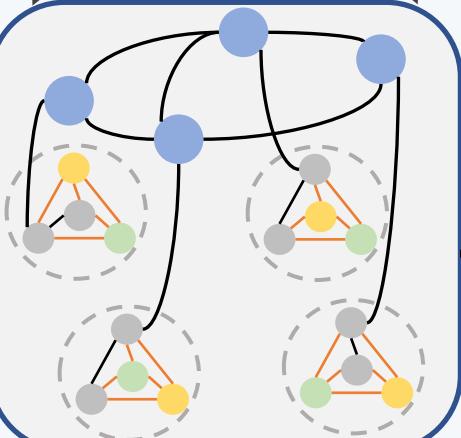
Sentiment-enhanced Context Encoding

BART Encoder



1-st GCN layer

GCNs



L-th GCN layer

BART Decoder

Indu implies that Maya is not looking good.

Sarcasm Explanation Generation