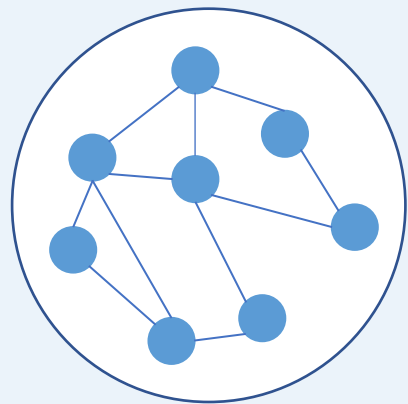


Knowledge Integration



IsA hasContext Causes

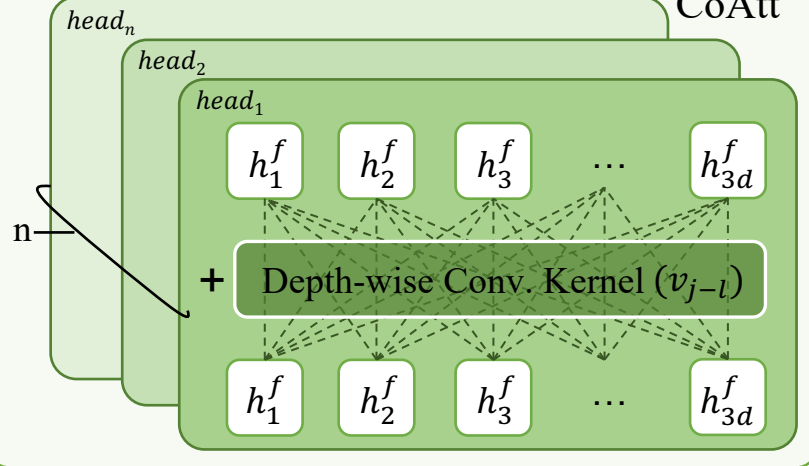
GloVe concept representation

IsA *hasContext* *Causes*

Relation-aware concept representation

w_m^r

CoAtt



Emo. Output

Linear

CoAtt

h^f

KI

h_i^b

Dialog Input

Dialog Relation Graph

$h_1^p \dots h_i^p \dots h_k^p$

RGCN

$u_1, u_2, u_3, \dots, u_k$

Parsing

$h_1^b \dots h_i^b \dots h_k^b$

h^b mapping

$u_1 \dots u_i \dots u_k$

h_i^p

DRG

CUR

Context-aware Utterance Representation

