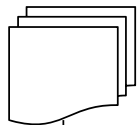


Chat messages



Data Preparation

Preprocess

Disentanglement

Sampling

Labeling

Dialogues
for training

Dialog1

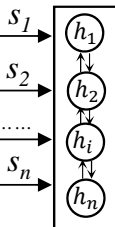
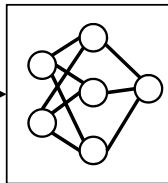
Dialog2

3.2 Siamese Dialog Classification Network

3.1 Context-aware Dialog Model 1

Sentences
embedding1

Dialog
embedding1



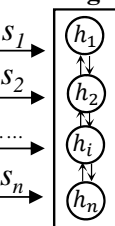
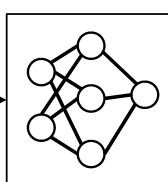
Sharing

Weights

3.1 Context-aware Dialog Model 2

Sentences
embedding2

Dialog
embedding2



d_1

Similarity
Measure

d_2

Softmax

p

$1-p$

3.3 Infer class probability

Class
Inference

Feature dialog

Non-Feature
dialog