Input

DEBERTA

Transformer LAYERS

Enhanced Mask Encoder

Type Embedding + Sub-word embedding

Absolute Position Embedding

Hidden States

Relative Position Embedding

BiLSTM

Self Attention

Semantic GCN

Semantic Adjacency Matrix

Multi Head Attention

Syn and Sem Similarity Separation Loss

Syntactic Adjacency Matrix

Dependency Parser

Syntactic GCN

Heterogeneous Features Interact Module

ReLU

GatedGraphConv

SAD-Pool

Add & Weight

ReLU

GCNConv

Heterogeneous Features Interact

Dependency Syntactic Representation

Attention Semantic Representation

Multilayer Perceptron

Triplet Classifier

Pair Classifier

Pair Representation

Entity Representation

POS

NEU

NEG

Multilayer Perceptron (Triplet)

Multilayer Perceptron (Pair)

Max-Pooling

Concatenation Operation

CLS Contextual Embedding

Max-Pooling Word Representation

Width Embedding

Aspect Entity Representation

Width Embedding of Pair

Opinion Entity Representation