

External Related Knowledge Acquisition

what a wonderful weather!

Caption

ConceptNet

Multi-source Semantic Graph-based Sarcasm Reasoning

Embedding

BART Encoder

GCN

Sarcasm Explanation Generation

BART Decoder

Sarcasm Explanation

it's a rainy weather.

Legend



Caption



ConceptNet Knowledge



Object Class



Object Attribute

Vision-based Object-level Semantic Extraction



Image



Object Detection

white beam

cloudy sky

green tree