Assignment 2: Sentiment Analysis

B01502069 顏毓均

✧ Recursive Neural Network

Data:

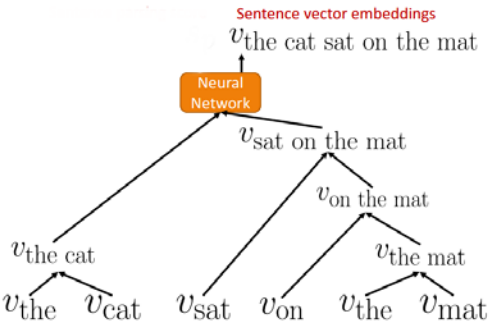
```
(S
  (NP (NNS id4))
  (VP (VBZ is)
    (NP
      (NP (DT a) (NN movie))
      (PP (IN for)
        (NP (DT all)))))
  (. .))
```

Parsing tree conveys

1) Part-of-speech for each word

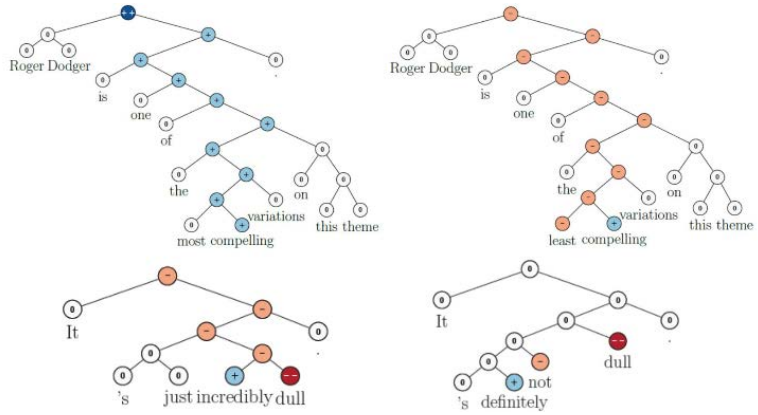
2) Phrases

3) Relationships



✧ Several recursive neural network example:

Stanford tree bank contain richer information.



http://nlp.stanford.edu:8080/sentiment/rntnDemo.html

https://github.com/awni/semantic-rntn

https://github.com/yihui-.../recursive-neural-network/commits...

https://github.com/sapruash/RecursiveNN

https://github.com/PetroWu/recursive

https://github.com/bogatyy/cs224d/tree/master/assignment3

✧ Bonus2: CNN

Much faster.

Ref: http://www.wildml.com/2015/12/implementing-a-cnn-for-text-classification-in-tensorflow/