Word Network of Course Reviews

Toby

Agenda

- Training Dataset
- Illustrations of Word Networks
  - Verb-Feature Networks
    - 給分 Grading
  - Feature-centered Word Networks
    - 上課 Having Classes
    - 負擔 Load and Effort
    - 評價 Thoughts
  - Word Cloud
    - 評價 Thoughts

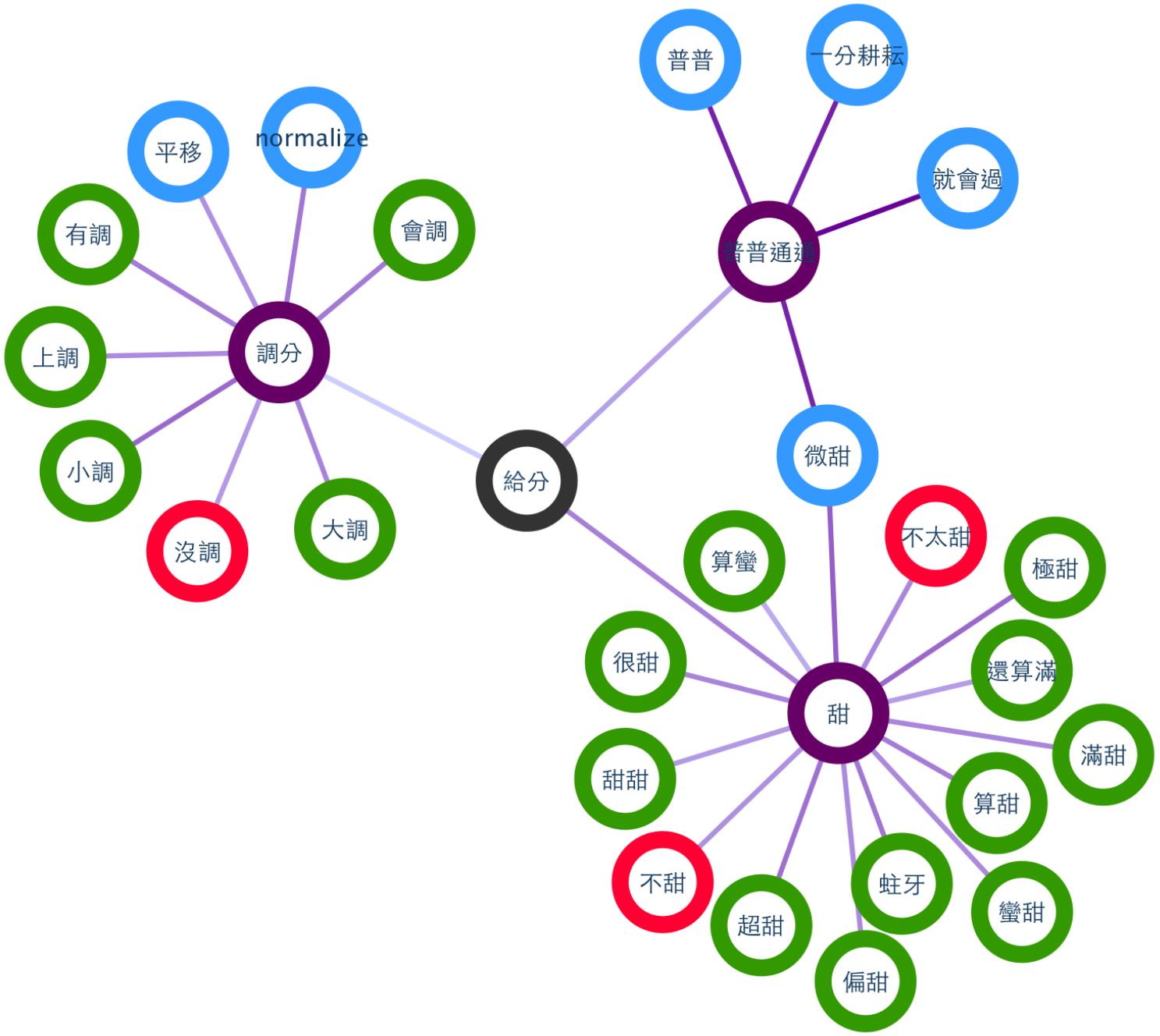
Training Dataset

- NTUCourse at PTT (BBS)
- Ranging from 2013/1 to 2016/9
- # of Reviews: 1,545
- # of Unique Frequent* Words: 10,936
- Method: Word2Vec on Tensorflow

- *Occurrence > 5

Verb-Feature Network

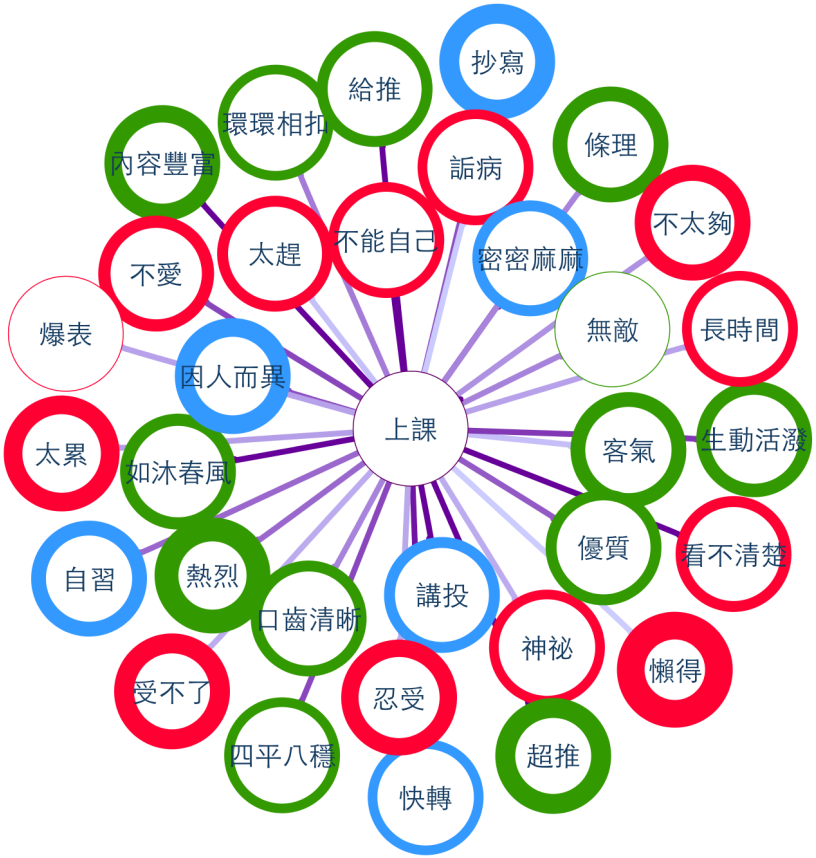
- Opacity of Edges
  - Normalized distances between Feature and the Descriptive words.
- Color of Node's Border
  - Verb
    - Gray
  - Feature
    - Purple
  - Descriptive words
    - Green: Positive
    - Blue: Neutral
    - Red: Negative (From student's perspective)


普普
一分耕耘
就會過
普普通通
平移
normalize
有調
會調
上調
調分
小調
沒調
大調
給分
微甜
算蠻
不太甜
極甜
很甜
還算滿
甜
滿甜
甜甜
算甜
不甜
蛀牙
蠻甜
超甜
偏甜

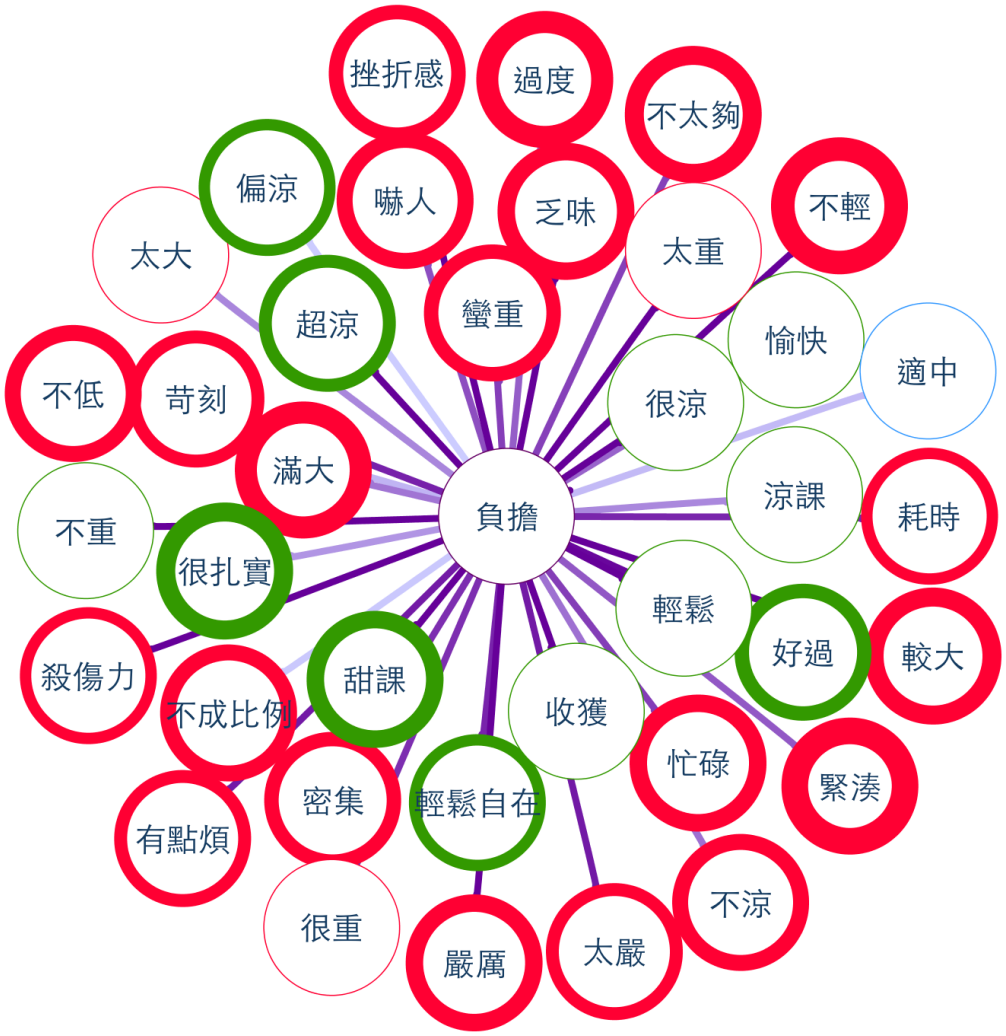
Feature-centered Word Networks

- Opacity of Edges
  - Normalized distances between Feature and the Descriptive words.
- Width of Node's Border
  - Words with greater frequency have bolder borders.
- Color of Node's Border
  - Feature
    - Purple
  - Descriptive words
    - Green: Positive
    - Blue: Neutral
    - Red: Negative (From student's perspective)

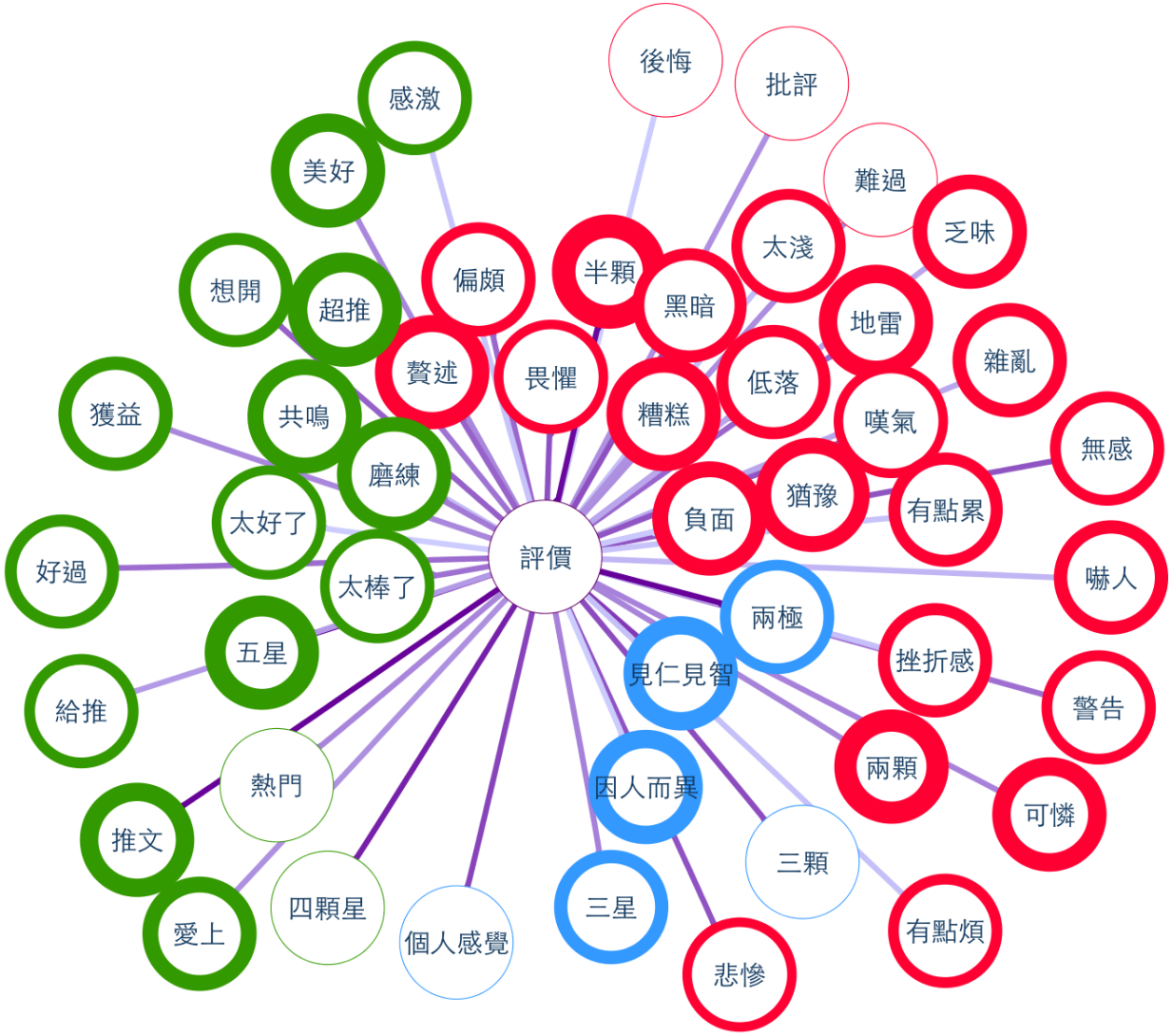
上課 Having Classes



負擔 Load and Effort



評價 Thoughts


評價
後悔
批評
難過
太淺
乏味
半顆
黑暗
地雷
雜亂
偏頗
贅述
畏懼
糟糕
低落
嘆氣
無感
猶豫
有點累
負面
嚇人
兩極
見仁見智
挫折感
警告
兩顆
可憐
因人而異
三顆
有點煩
三星
悲慘
個人感覺
四顆星
熱門
推文
愛上
給推
好過
五星
太好了
太棒了
磨練
共鳴
獲益
想開
超推
美好
感激

Word Cloud

猶豫
獲益
兩顆
兩極
地雷
可憐
無感
畏懼
三星
低落
個人感覺
偏頗
黑暗
五星
磨練
乏味
四顆星
半顆
熱門
有點
美好
雜亂
給推
嚇人
好過
三顆
共鳴
愛上
警告
悲慘
推文
見位
見智
難過
批評
嘆氣
糟糕
贅述
超推
想開
大棒了