Sentiment Analysis in Chinese Web Discussion Forums

Abstract:

Key words:

1. Introduction

et al.

that assessing online discussion positively impacted students' participation and final

embedded in students' p

et al.

(MOOC) in order to monitor students' trending opinions towards the course and major course tools, such as

et al

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et al

et al

et al

2. Related Work

et al

et al.

高兴 (	快乐(happiness) 安心(relief)
好	尊敬 赞扬 相信 喜爱 祝愿
愤怒( )	愤怒
悲哀( )	悲伤 失望 疚 思
害怕( )	慌 恐惧 害羞
厌恶( )	烦闷 憎恶 贬责 妒忌 怀疑
惊奇( )	惊奇

3. Text Pre-processing

握手 拥抱

A 谢谢 加油

4. Study

4.1. Participants and Procedure

The participants' age ra

ndependently annotate the polarity of each post. As a result, the Cohen's Kappa coefficient is 0.57,

我真是太聪明了 It could mean "I am really smart" or "I am just ". Without the context it is difficult to determine the polarity of this post.

		互相帮助 一起努力
		心理学考什么 一片茫然 感觉什么也不知道了 A
		计算机统考难不难啊！具体要考些什么啊 A A

4.2. Sentiment Classification Result

(The parameters were obtained from our experiment in order to get the best result on SVM).

score, precision and recall to measure the classifier's performance. The F1

$$f_1 = \frac{2 \times precision \times recall}{precision + recall}$$

shows the sentiment classifier's performance and how well each class was predicated by each

gated some issues which could influence the classifiers' performance.

孙中山虑误期泄漏消息

这是看书要把人看疯了的节奏 妈蛋

. "看疯" and "妈蛋"

4.3. Correlation between Post Polarity and Final Grade

:

$$\frac{1}{n}\sum_{i}^{n} a_i$$

n a_i

n

student and the student's final score, illustrating a moderate

为了这　分真的不容易啊！终于看到希望就在前方

5. Conclusion

r quiz, or teachers' feedback.

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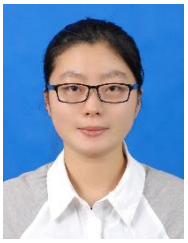
Ming Liu

Weiwei Xu



Huiran Liu

Jiaqin Zheng