

Towards Sentiment Analysis for Mobile Devices

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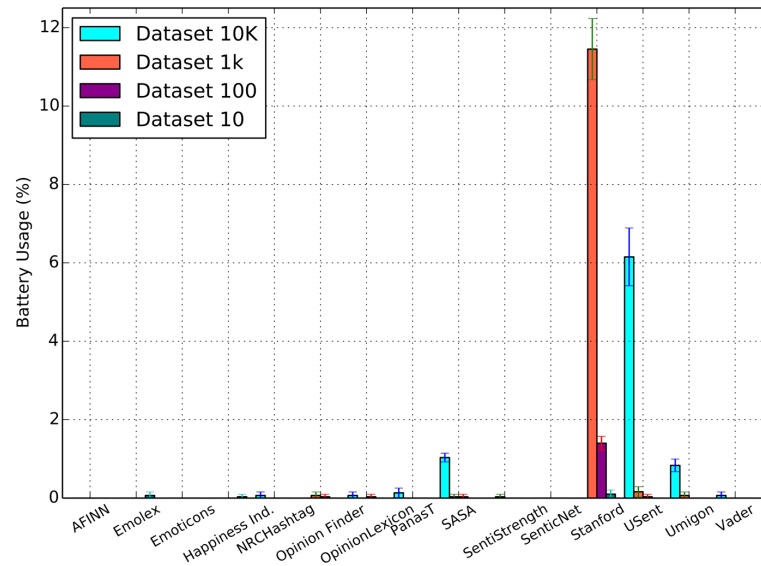
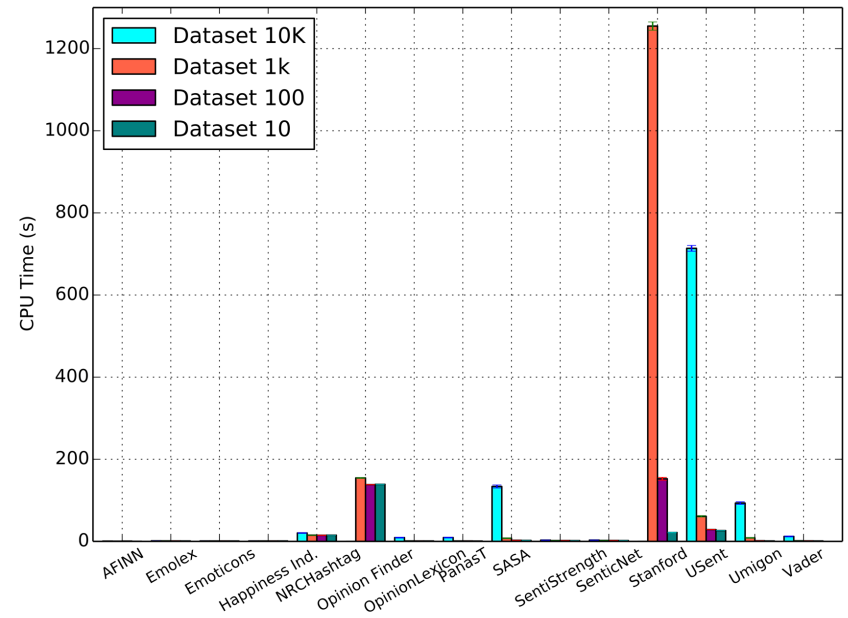
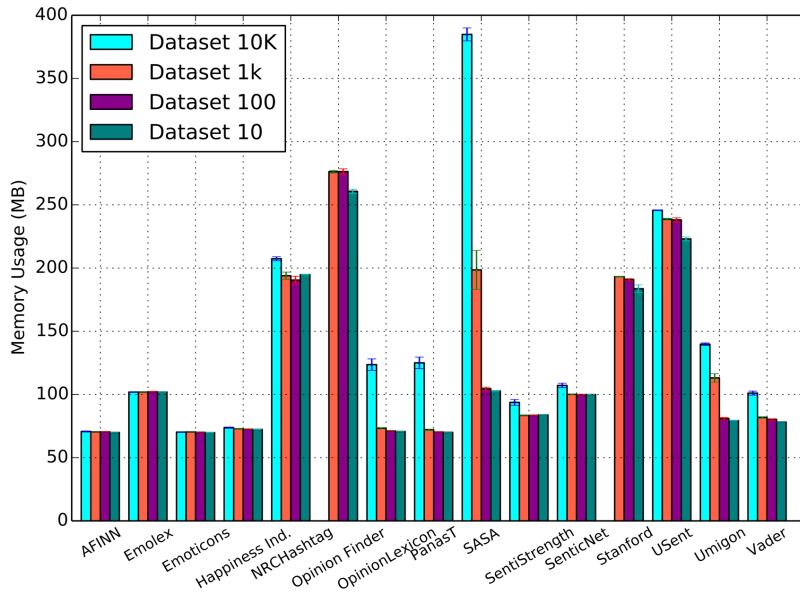
Introduction

- There is a large potential for sentiment analysis methods for mobile environment
- Sentiment Analysis Methods on Mobile devices is a key for many applications:
 - Mood and feelings of users
 - Sentiment of user's instant message

Our solution

- First of a kind study in which we compare the performance of sentiment analysis methods in the mobile environment.
- 17 Sentiment Analysis Methods analyzed and adapted to Android.
- Battery, Memory, and CPU evaluation
- API available for download

Results



Conclusion

- Methods such as NRCHashtag, OpinionFinder, USent, Sasa, and Stanford are not recommended.
- Lexical methods got good performance.
- We release our Android API Sentiment Analysis methods
 - <http://www.ifeel.dcc.ufmg.br>

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