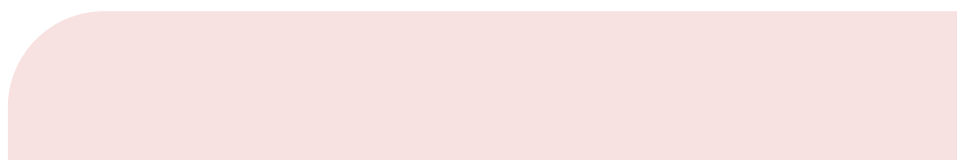




U F *m* G



Johnnnatan Mess

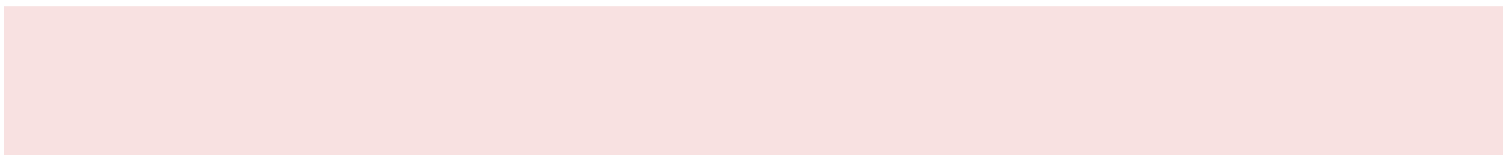




Towards Sentin

ias, João P. Diniz, Elias Soares, ,

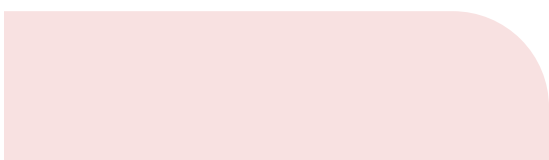
About

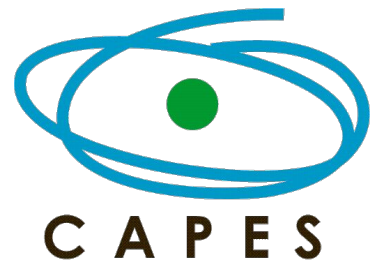


Asonam 2016

nent Analysis for

Miller Ferreira, Matheus Araújo, L





Mobile Devices

ucas Bastos, Manoel Júnior, Fabi

<http://www.if>

Memory Evaluation



ício Benevenuto

eel.dcc.ufmg.br

on





We provide
we compare
analysis methods

- 17 Sentiment analysis methods adapted to Android
- Battery, Memory, CPU usage
- API available

Ex

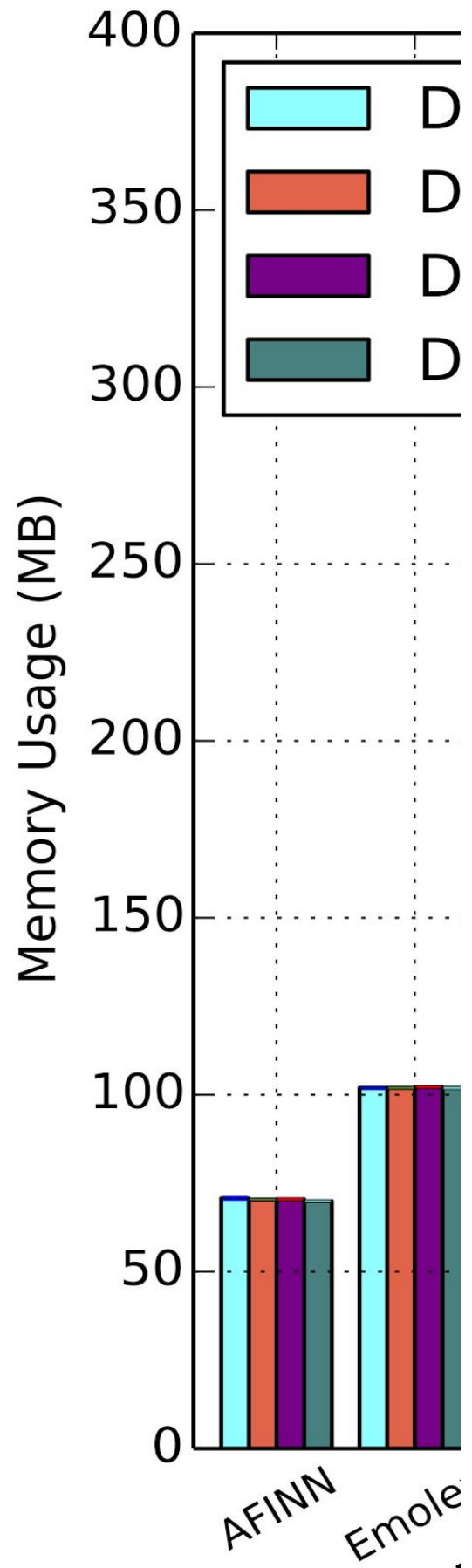
- OS Monitor Access

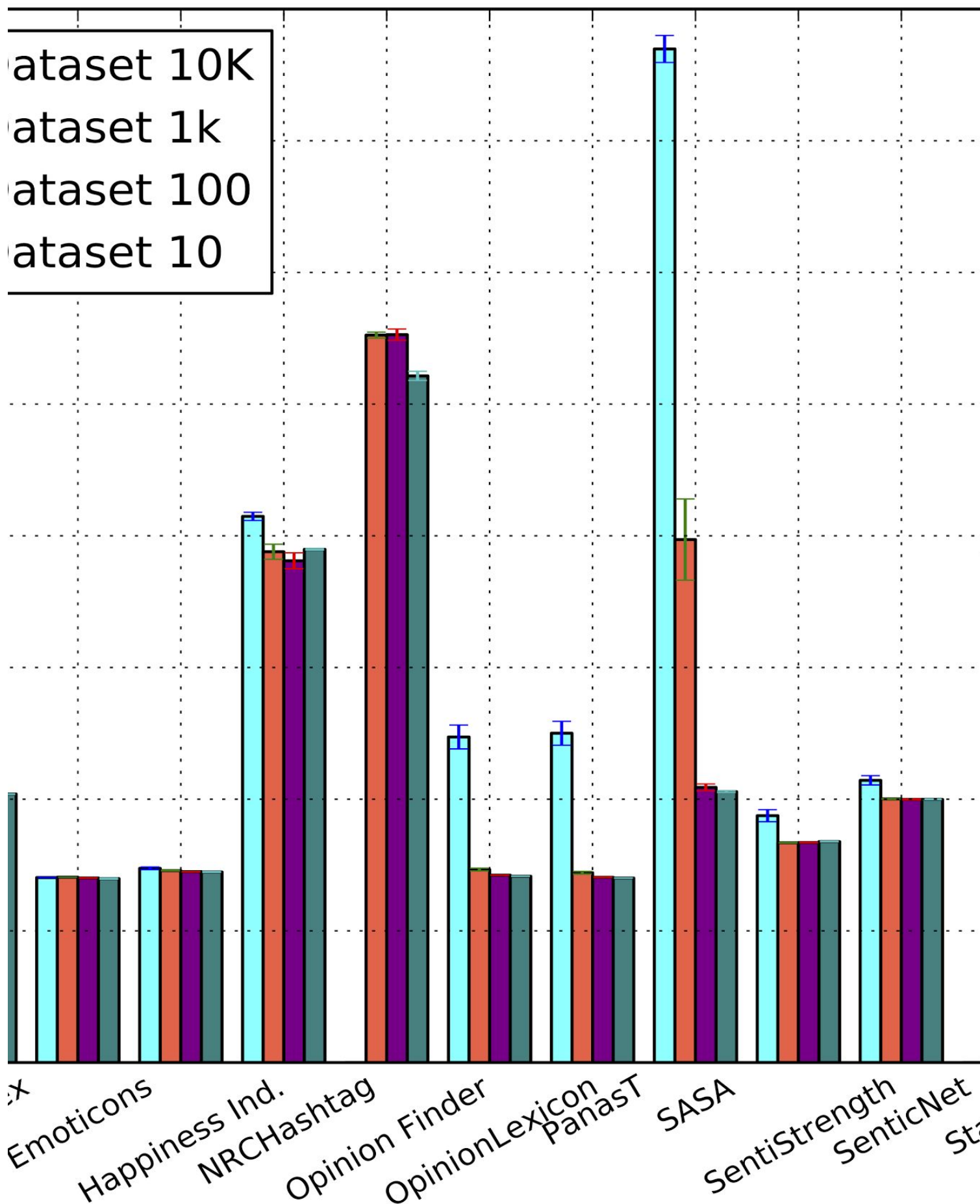
the first of a kind study is
the performance of se
ods in the mobile environme
t Analysis Methods analyz
ndroid.
nory, and CPU evaluation
e for download

perimental Setup

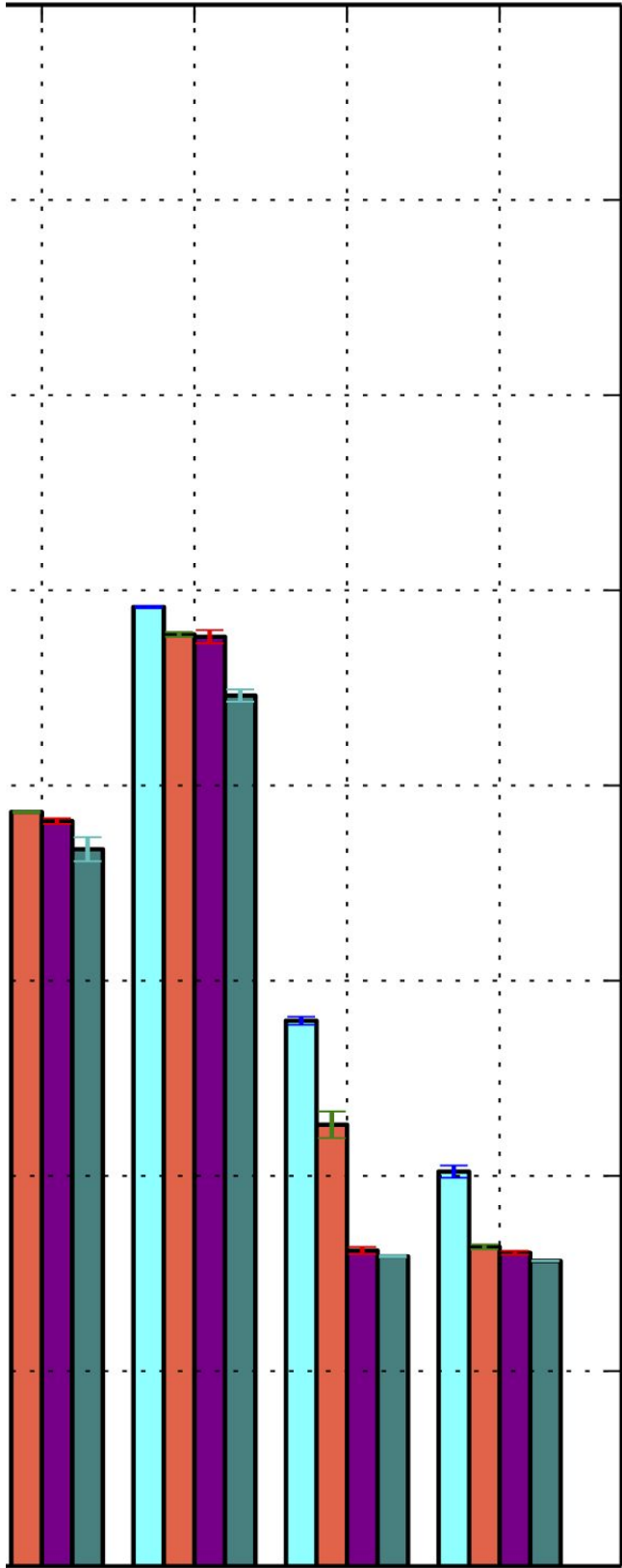
adaptation

in which
sentiment
ent.
zed and





CPU Evaluation





- Each experiment 1,000; and 10,
- 31 executions
- 95% confidence
- 5 LG G3 as sr
- Android

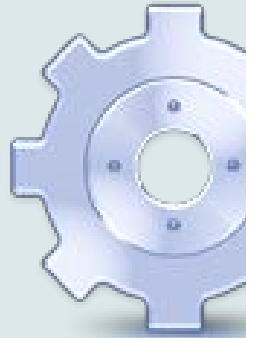
Perfo

ent consists of running:
0,000 tweets in English.

for each experiment.

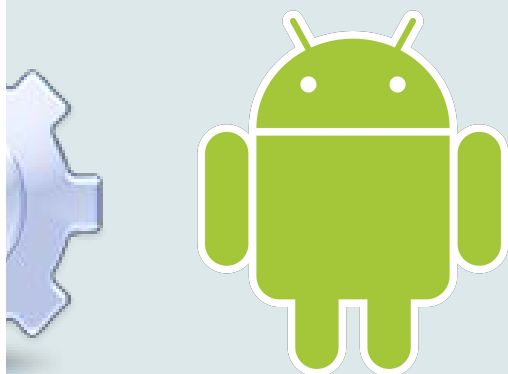
ce level

smartphone devices

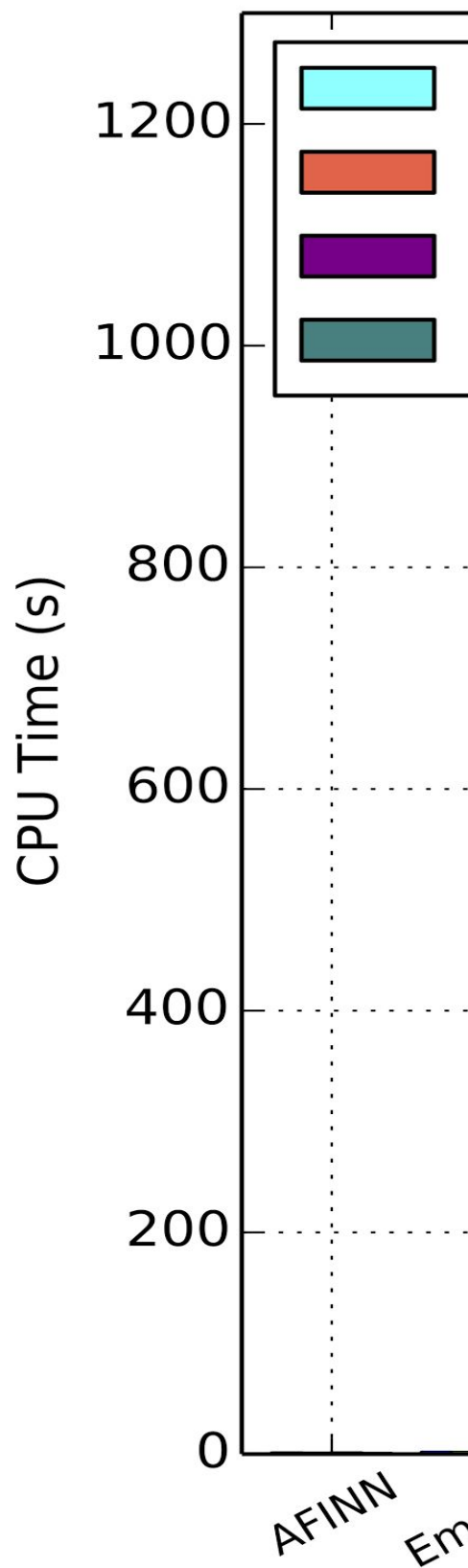


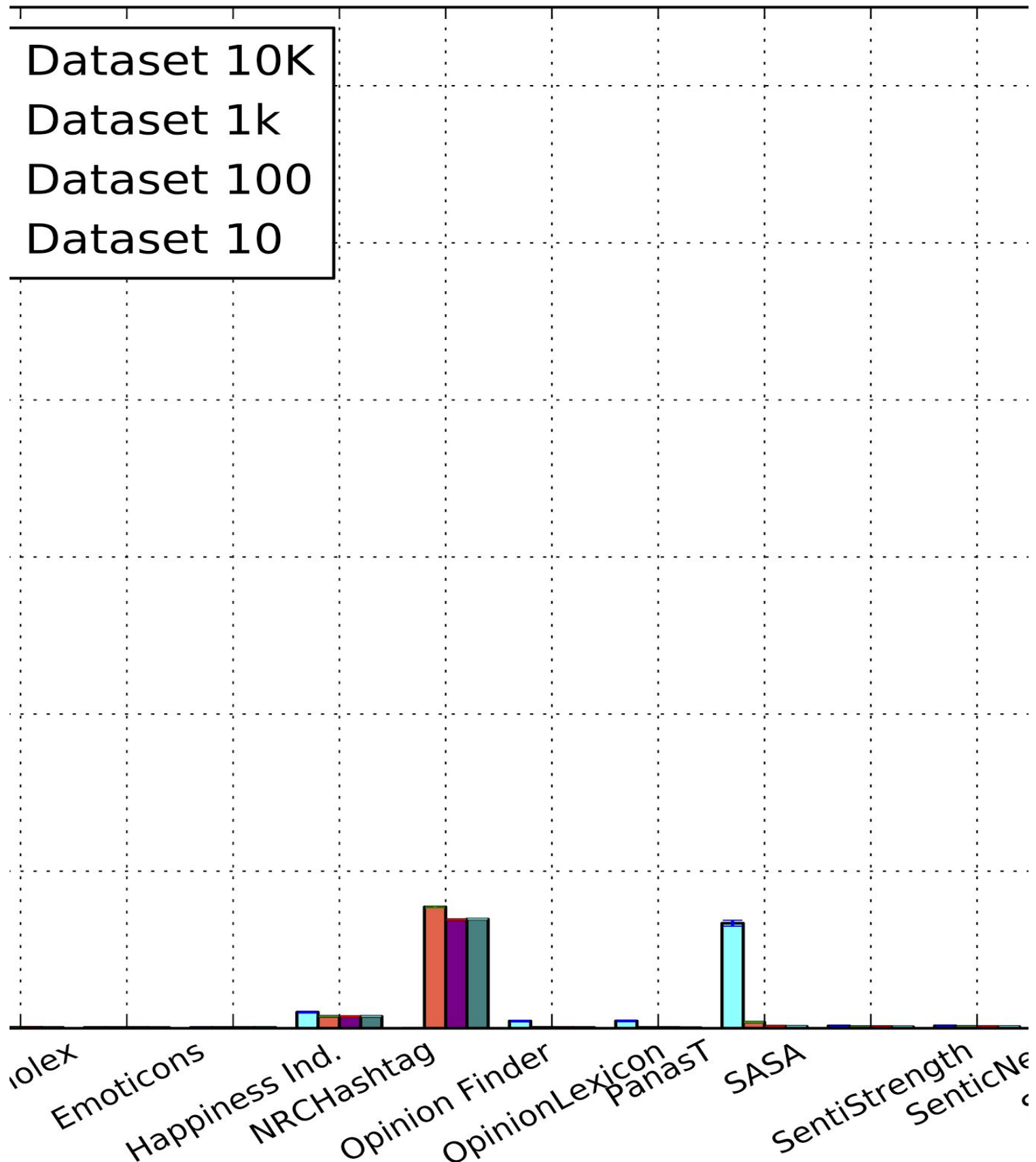
rmance Evaluatio

10; 100;

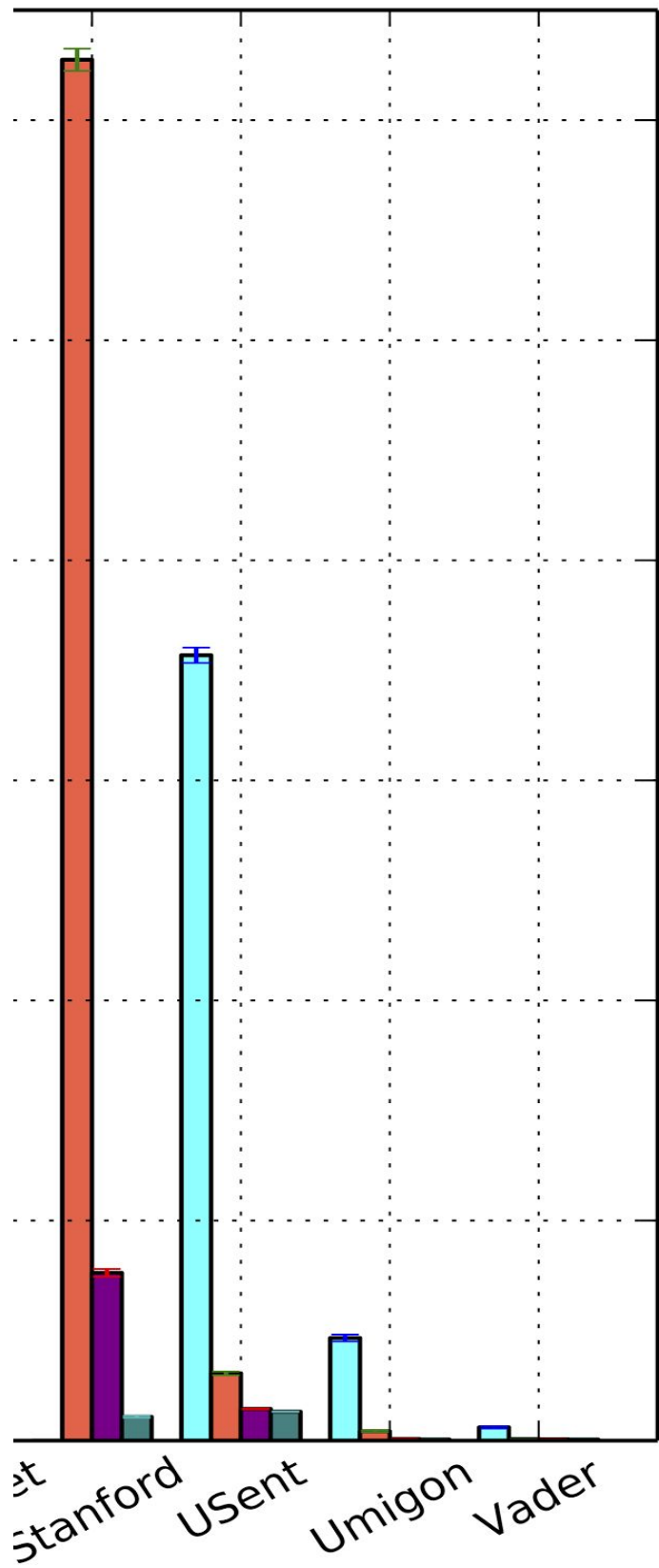


n





Battery Evaluation



n





We present the following scenarios:

- Battery evaluation
- Memory evaluation
- CPU evaluation
- Sentiment140 dataset not able to run



Code available

the performance evaluation

uation

uation

tion

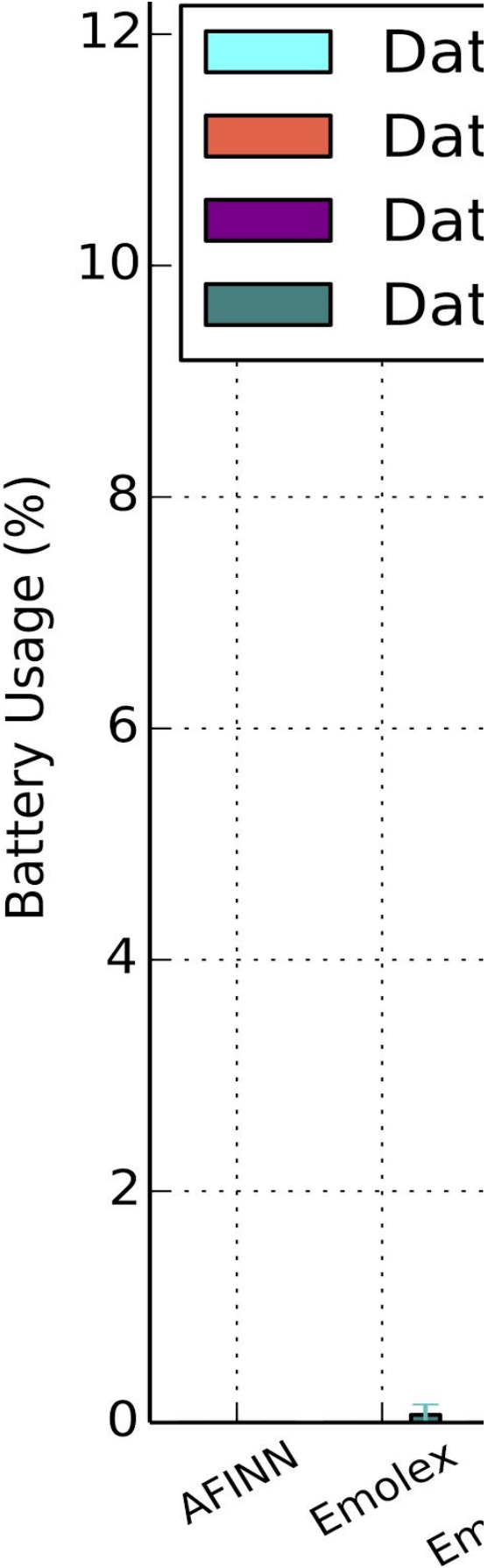
4.0 Lexicon and SentiWord
on Android

available under re

tion in 3

Net were

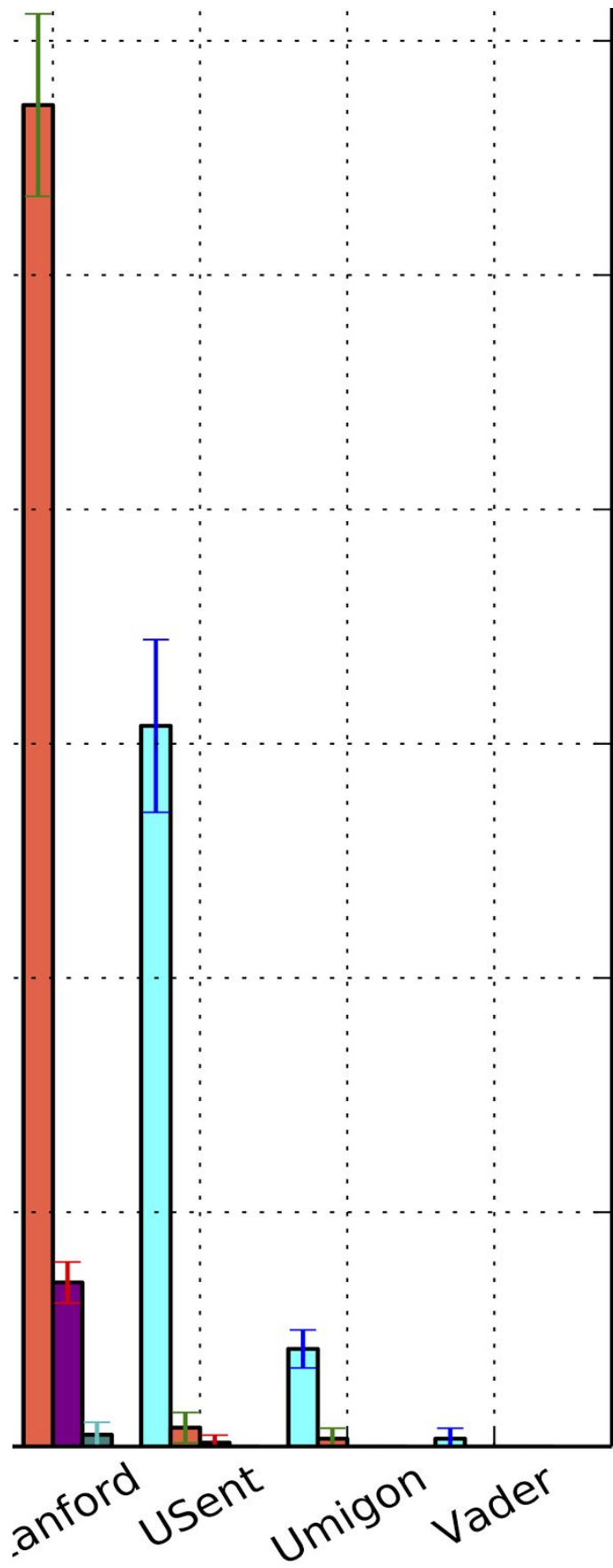
quest:

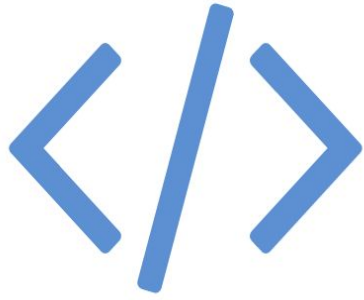


dataset 10K
dataset 1k
dataset 100
dataset 10

emojicons
Happiness Ind.
NRCHashtag
Opinion Finder
OpinionLexicon
Panast
SASA
SentiStrength
SenticNet
St

Conclusion





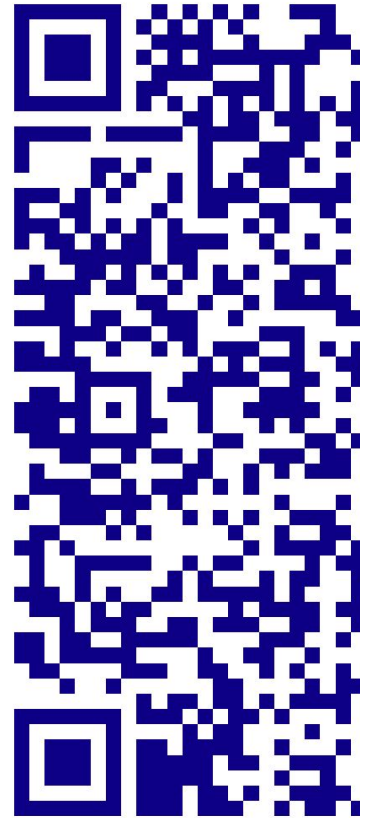
17 methc



**OS Moni
used on**

Models adapted to run on Android

**for adaptation
evaluation**



Android



- Methods
USent, Sa
- Lexical m
- We releas
the 17 ser

such as NRCHashtag,
asa, Stanford are not reco
methods got better perform
se our Android API that
ntiment analysis methods.

OpinionFinder,
mmended.

ance.

implements all

