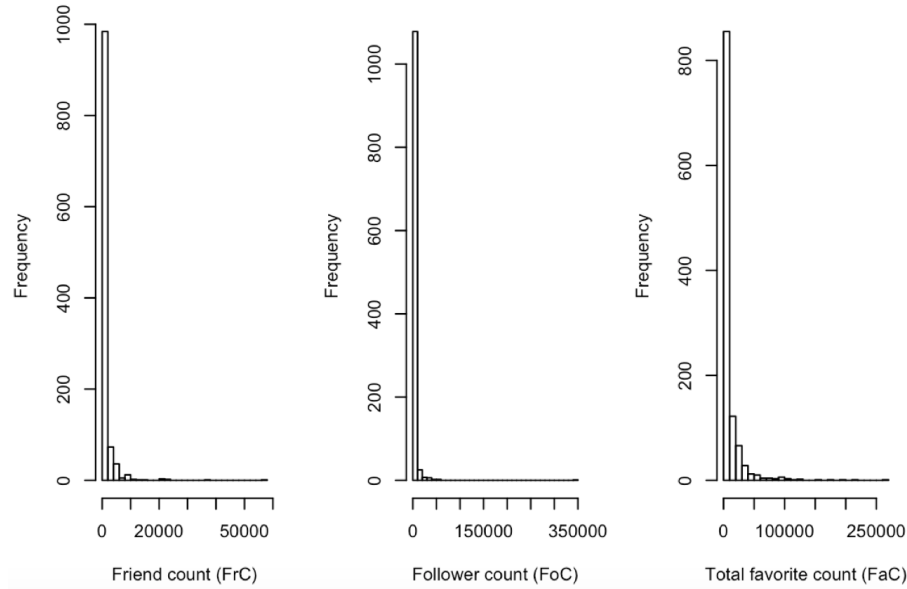# Supplementary Material

Guanghao Qi

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1 Supplementary figures

Supplementary Figure 1: Words from L that appear in the training tweets. Size of a word is proportional to its frequency. Only part of the words appear in the figure.

Supplementary Figure 2: Didstribution of the user profile variables friend count (FrC), follower count (FoC) and total favorite count (FaC) in training tweets that satisfies $NWC \geq 1$.

2 Supplementary text

The troll tweets identified from the Pitt-Jolie test data using our algorithm:

```
## [1] "#CelebrityGossip Angelina Jolie Fuming Over Melissa Etheridge's
Divorce Comments | Tells Her To Butt Out https://t.co/SJiwiPJcq3"
## [2] "RT @femaIism: If Angelina Jolie can get over Brad Pitt I can
get get over a stupid boy"
## [3] "RT @Advil: with brad pitt and angelina jolie divorcing the last
power couple remaining is... mr. salt and mrs. pepper. god bless. https://t.c..."
## [4] "How Tensions Mounted on the Set of Brad Pitt and Angelina Jolie's
Movie By the Sea - Yahoo News https://t.co/ttcOVRXZ76"
## [5] "RT @femaIism: If Angelina Jolie can get over Brad Pitt I can
get get over a stupid boy"
## [6] "RT @femaIism: If Angelina Jolie can get over Brad Pitt I can
get get over a stupid boy"
## [7] "RT @femaIism: If Angelina Jolie can get over Brad Pitt I can
get get over a stupid boy"
## [8] "Brad Pitt&amp;#039;s Mom: PISSED at Angelina Jolie! #brad https://t.co/qQxzK5lA8W"
```