STK-INF3000/4000

PREVENT BULLYING ON TWITTER

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Outline

- Introduction

- Collecting the data

- Use different methods

- Problems

- Other's ideas

- Further work

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Introduction

- Why did we choose the project?

- Cyber bullying

- Bullying - hurtful comments, humiliation, verbal threats

- Twitter is trying to prevent bullying

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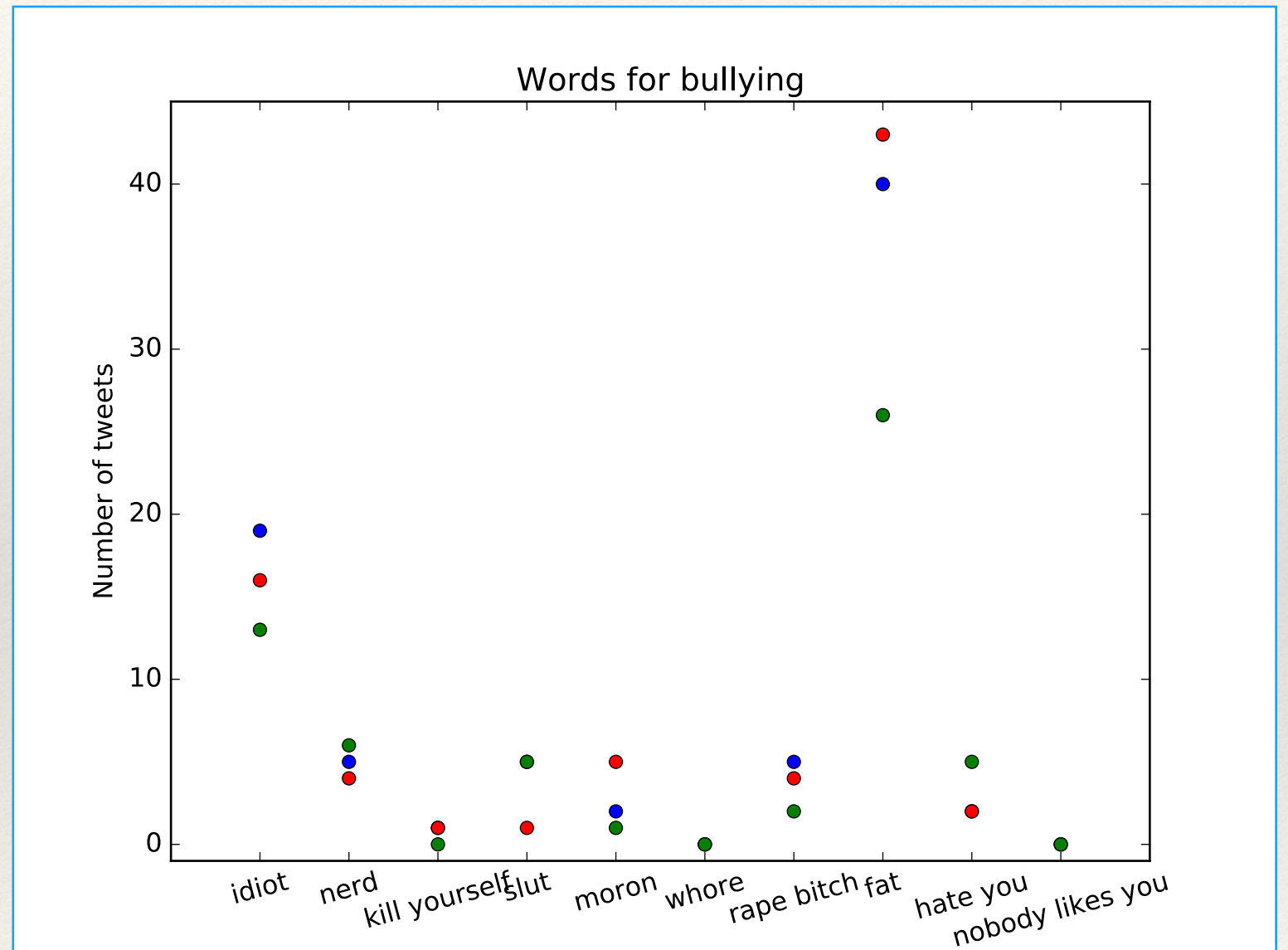
Collecting the data

🐦 Words:

   🐦 idiot, nerd, kill yourself, slut, moron, whore, rape + bitch, fat, hate you, nobody likes you

   🐦 "typical" bullying words

   🐦 Worse than others

🐦 Filtered out retweets

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Collecting data - 1st method

🐦 Three datasets of tweets

🐦 Approx. 10 000 tweets

🐦 5-10 min interval

Words for bullying

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Collecting data - 2nd method

- 🐦 100 tweets per word

- 🐦 latest tweets

- 🐦 Time interval

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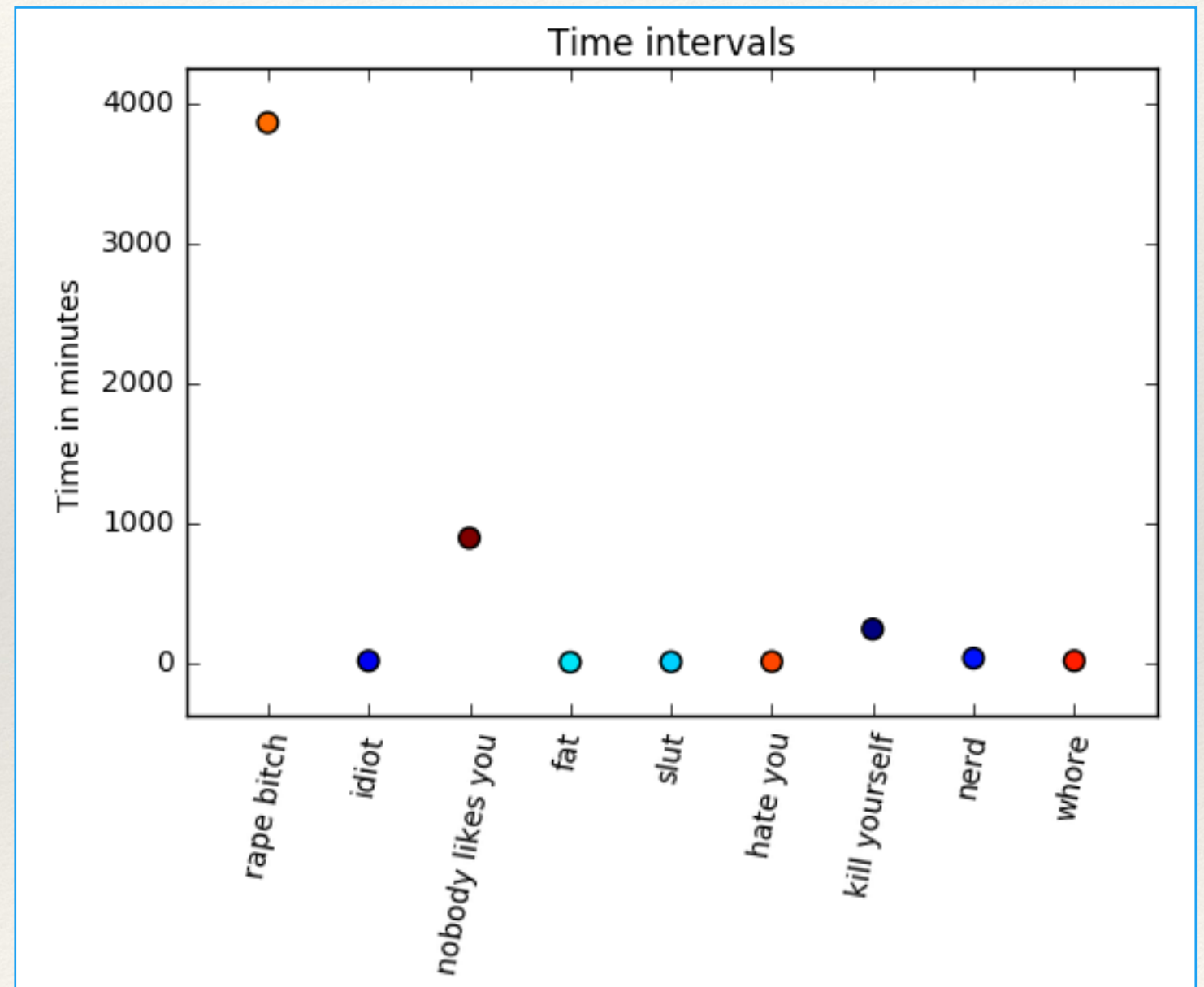
Account info

- Account age
- Number of previous tweets
- Count
- Not enough data yet

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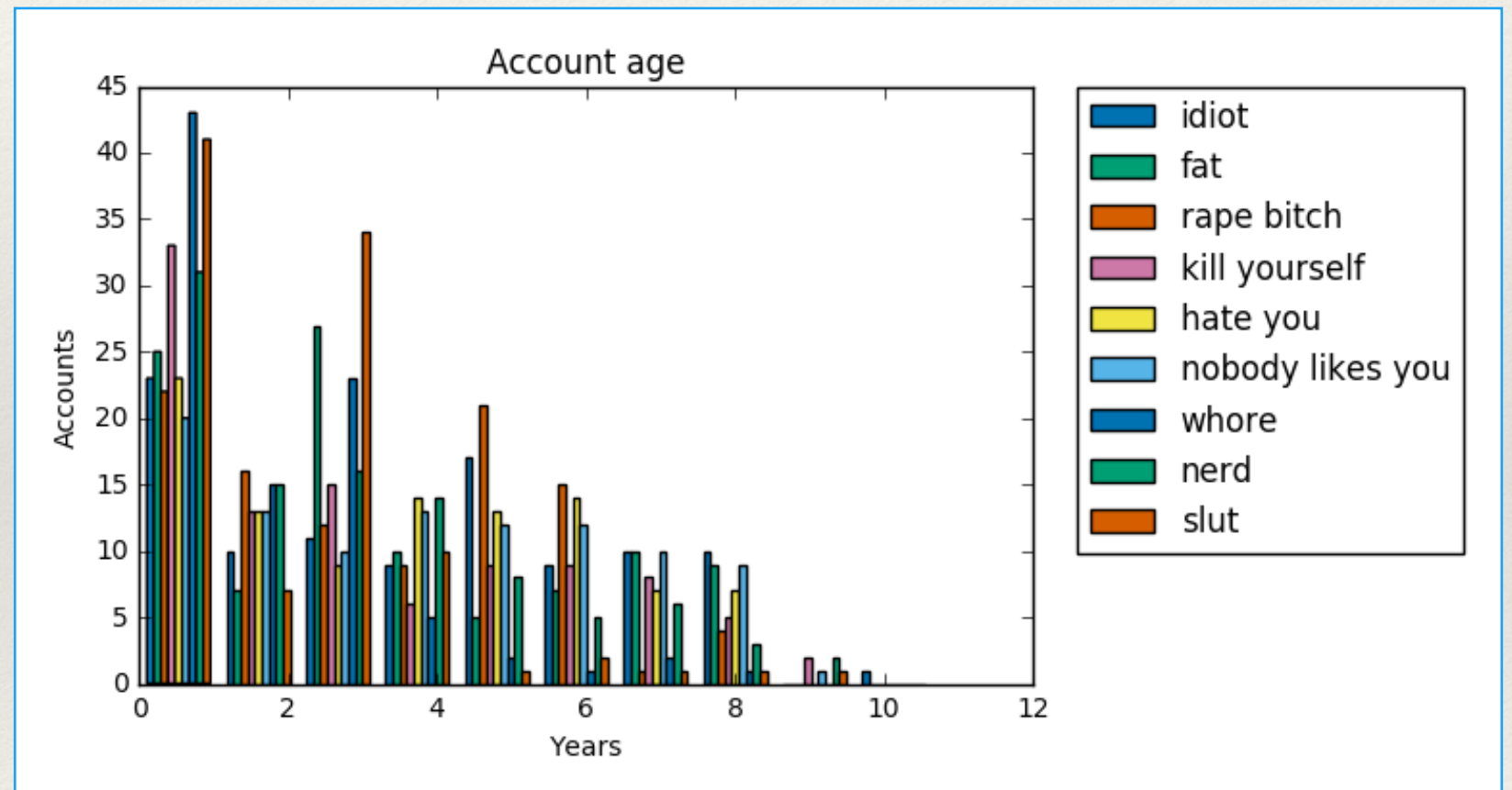
Problems

- We cannot get all data

- Abbreviation

- Words chosen may not be bullying

- Examples: positive/negative content

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What are Twitter doing?

🐦 Twitter have taken measures

🐦 Potentially sensitive content

🐦 Other researches - similarly approach

🐦 Classifications, Data mining

Further work

- Analysed the data
- Tweets consisting bullying words

- Filter out non-bullying tweets
- Training data, test data
    - New
- Lists
    - Bully, good, typical daily words, counter

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Further work

- Dictionary

  - Users $\longrightarrow$ keep an eye, warning, warning to others, terminate

  - Youtube copyright, three strikes

- Account

  - Only starting from now

  - Previous tweets

- Another way to think for twitter

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Thank you!