




# Human happiness on Twitter

POLSCI239T

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# Background and motivation

*“The things that can scare us the most in life are the things that we think will threaten the prospect of us finding something real” - Taylor Swift*

How people talked about some psychological strong indicators of human well-beings on Twitter?

- **Meaning in life** (Keltner, 2009; Seligman, 2011; King and Hicks, 2012; Lambert, Stillman, Hicks, Kamble, Baumeister, & Fincham, 2013; Garland, Fard, Goldin, Fredrickson, 2015)

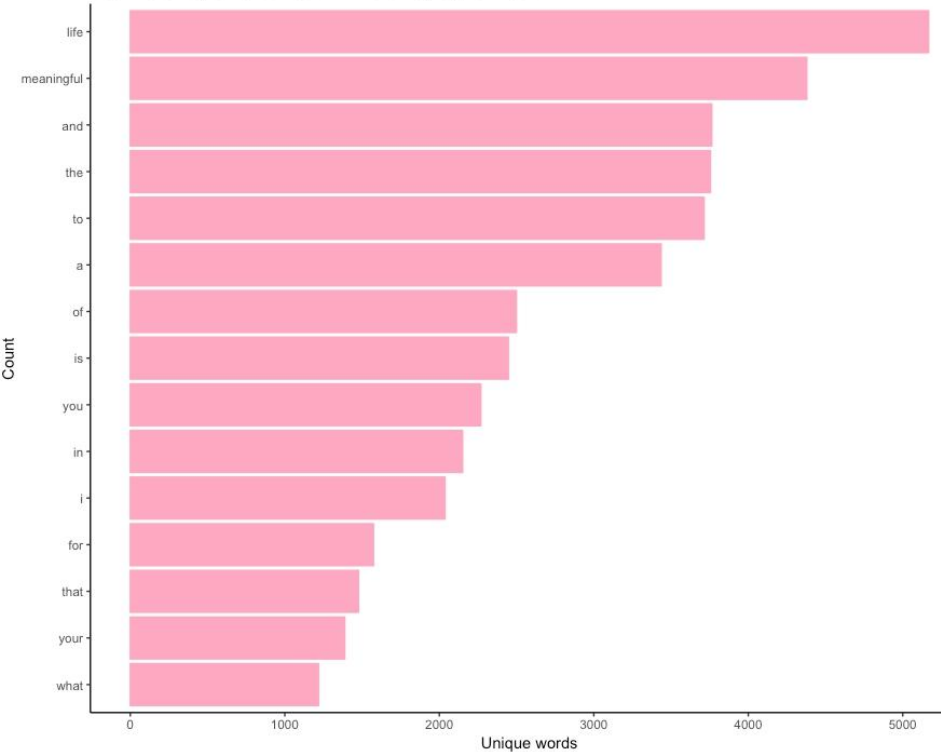
- **Mindfulness** (Davidson, Jon Kabat-Zinn, Jessica, Melissa, Daniel, Santorelli, Ferris, Anne, Katherine, & Sheridan, 2003; Fadel, Johnson, Diamond, Zhanna, & Paula, 2010; Garland, Farb, Goldin, & Fredrickson, 2015)

# Design and Method

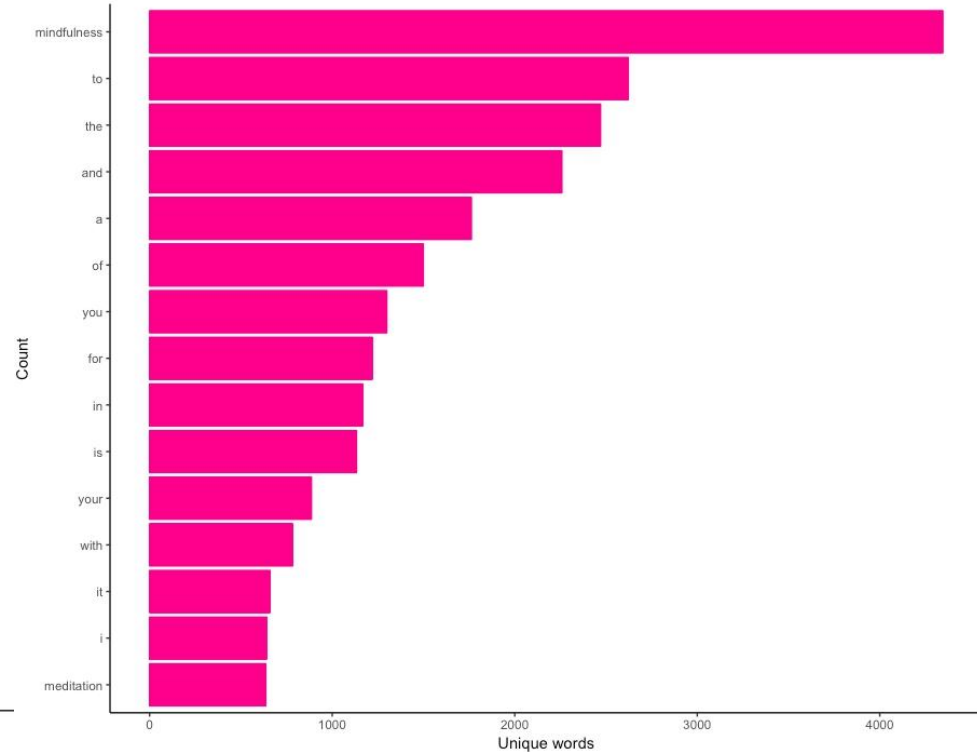
- Text mining, Word network analysis and Sentiment analysis in R
- Twitter API
- 5000 tweets on Twitter includes “meaningful life” &  
5000 tweets on Twitter includes “mindfulness”
- See how different people feeling about these two happiness indicators

# Result

Count of unique words found in meaningful\_life tweets



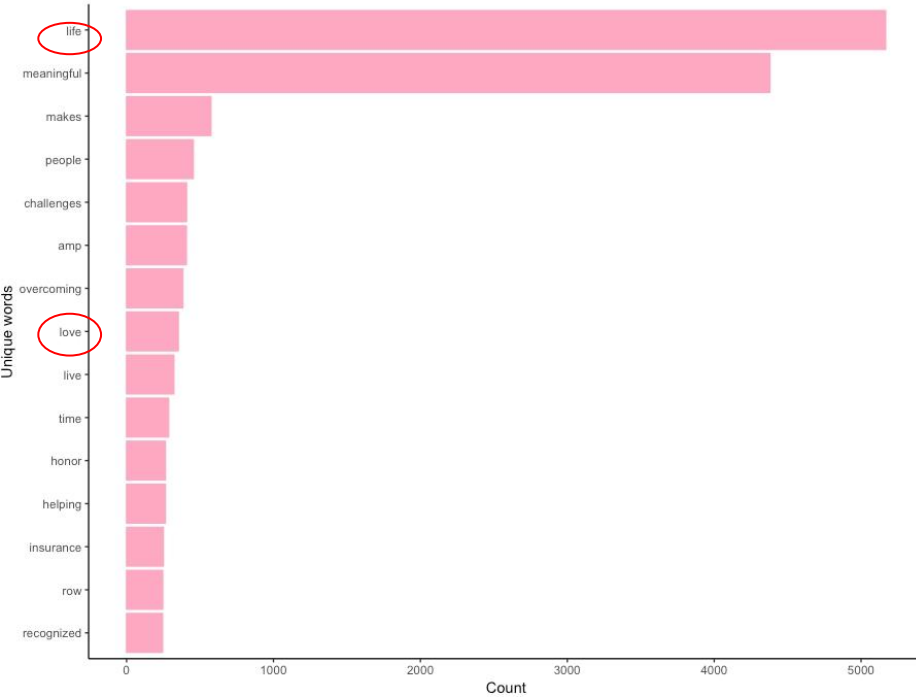
Count of unique words found in mindfulness\_pure tweets



# Result

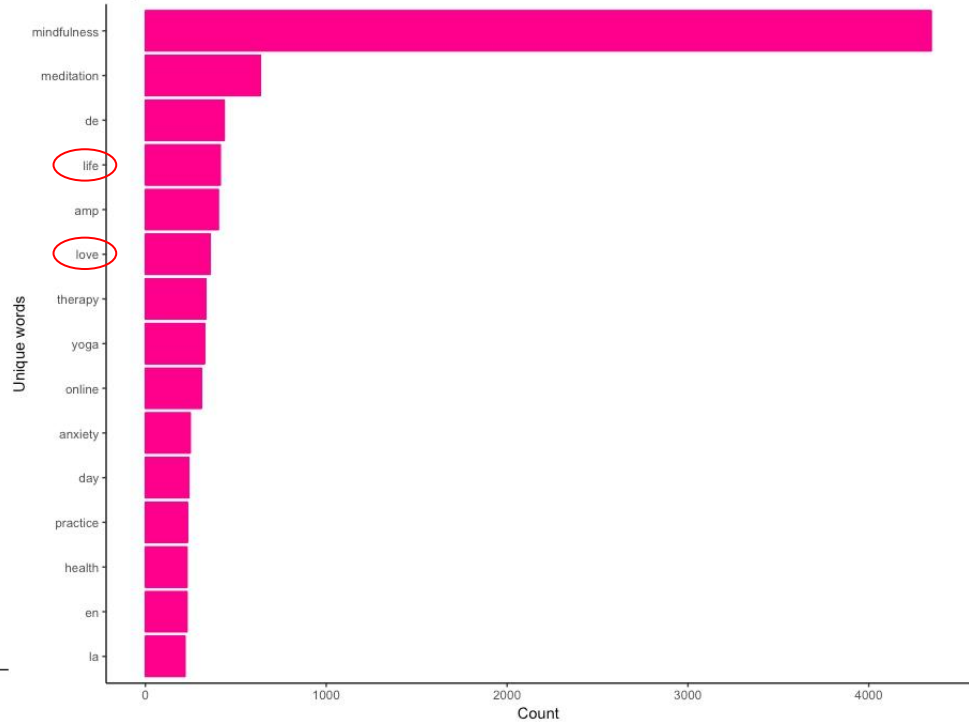
Count of unique meaningful\_life words found in tweets

Stop words removed from the list



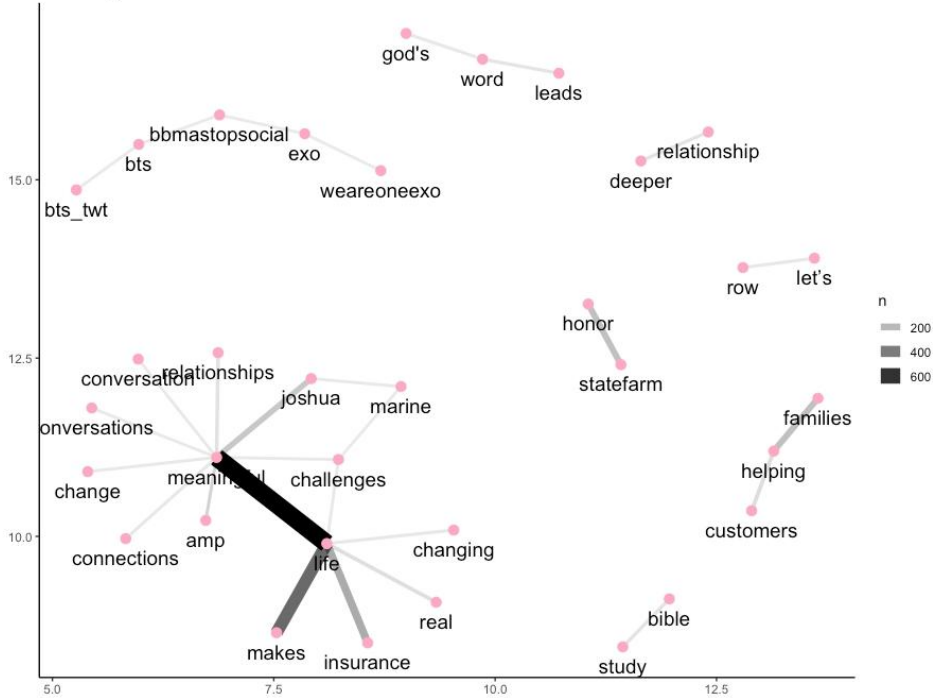
Count of unique mindfulness\_pure words found in tweets

Stop words removed from the list

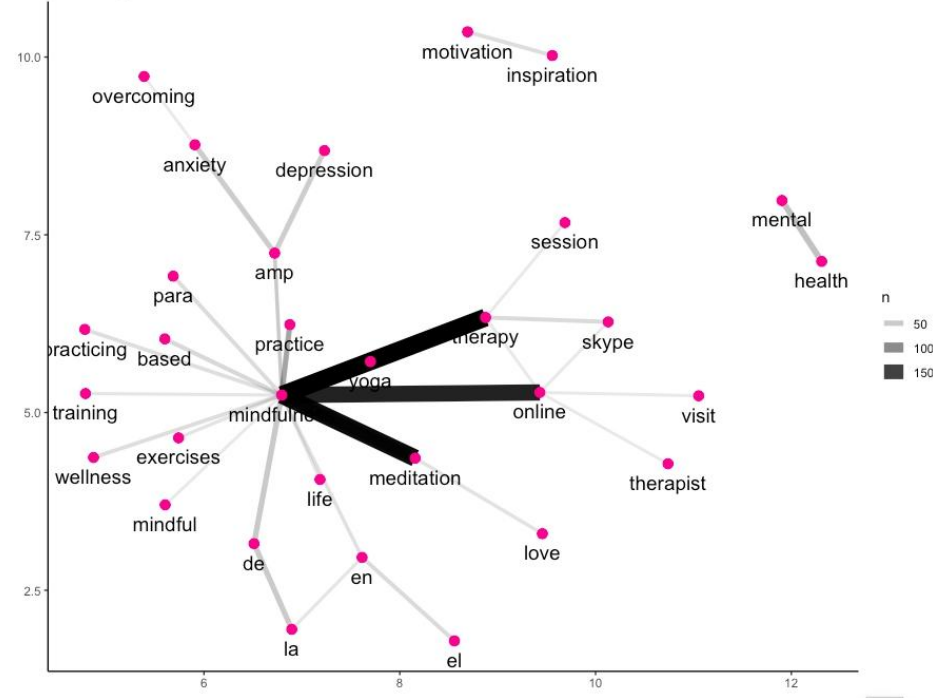


# Result

Word Network: Tweets includes meaningful life  
Text mining twitter data

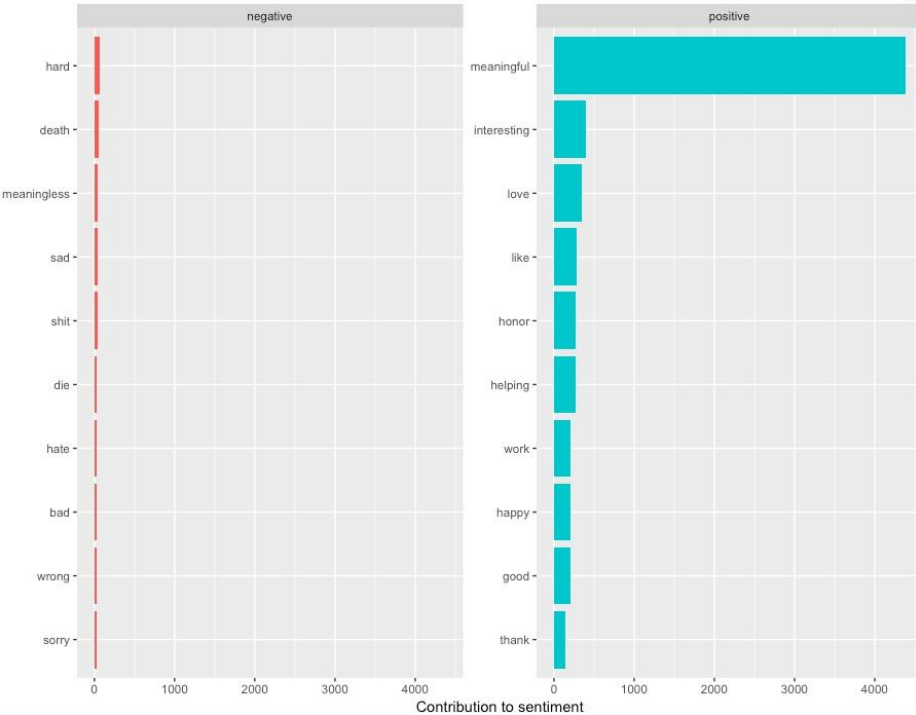


Word Network: Tweets includes mindfulness  
Text mining twitter data

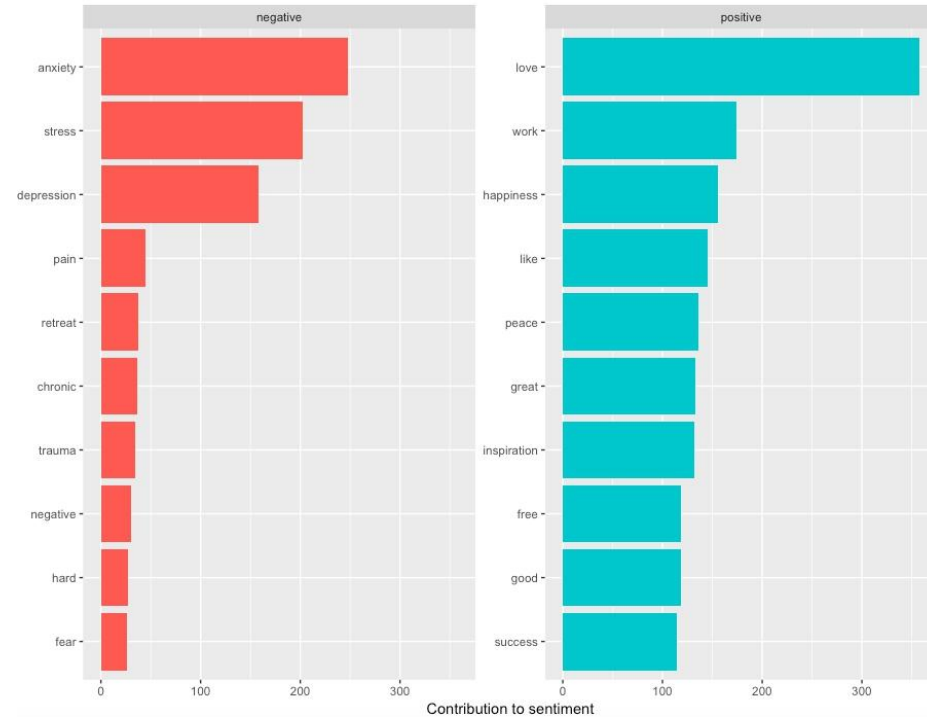


# Result

Sentiment about meaningful life in tweets



Sentiment about mindfulness in tweets



# Feedback

