

Community Analysis: Graphs of Top 100 Words by Frequency from Prominent Twitter Users

Alex Nazareth

Ryerson University

Gephi Procedure



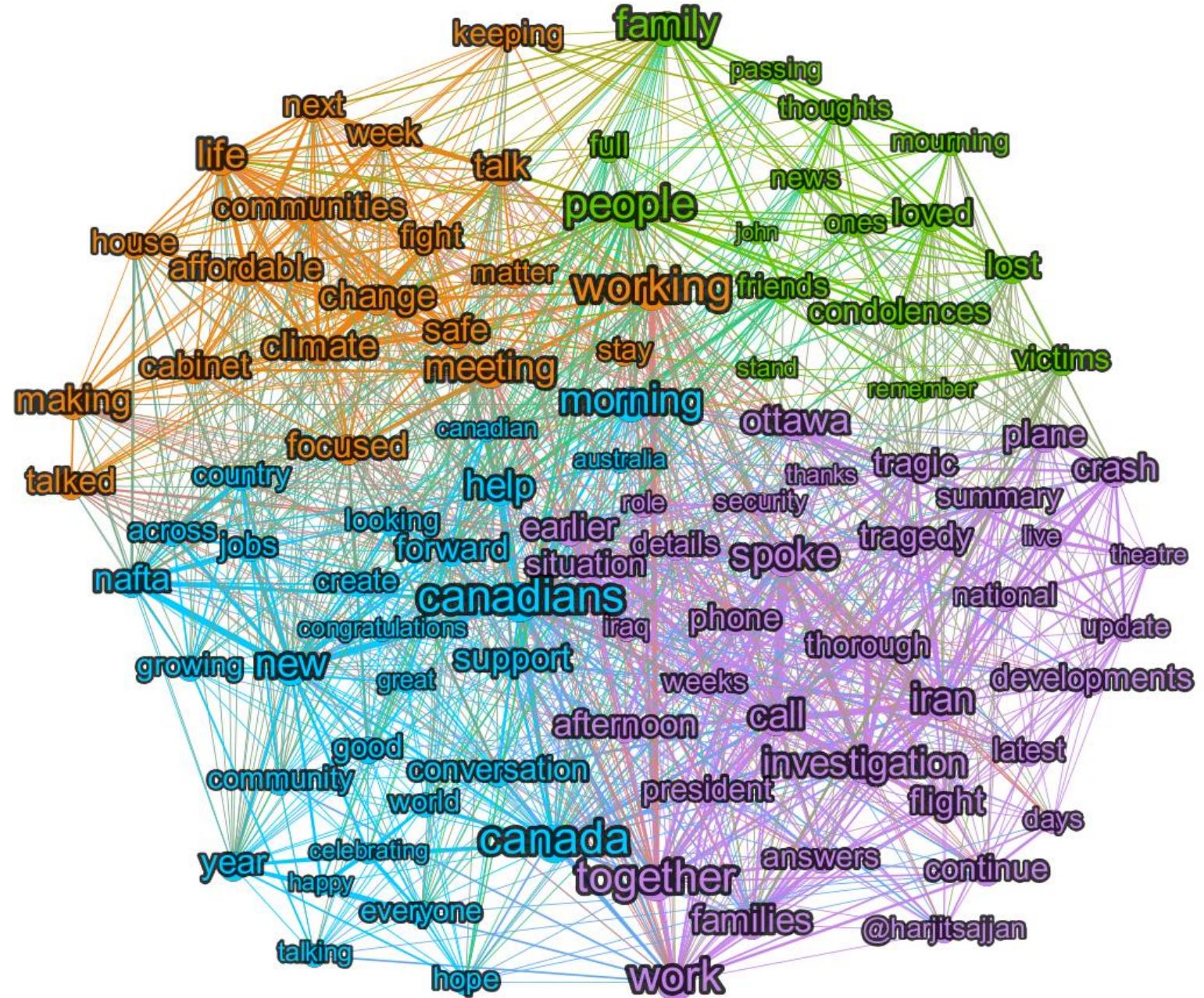
- **ForceAtlas2** layout algorithm settings (run until it appears to settle)
 - *Scaling* = 10 and *Gravity* = 20
 - *Dissuade Hubs* = true
 - *LinLog mode* = true
 - *Prevent Overlap* = true (only briefly at the end for performance reasons)
 - Remaining settings left as default
- Calculate modularity statistic and partition node colours
- Set node size based on degree
- Add node labels
- Run **LabelAdjust**, along with some manual visual tweaks



@JustinTrudeau
January 2020

A horizontal sequence of seven blue circles connected by a thin blue line. Each circle contains a letter: J, F, M, A, M, J, +.

- Orange
 - Policy
 - Lime green
 - Iran plane crash condolences
 - Blue
 - Economy
 - Pink
 - Iran plane crash updates

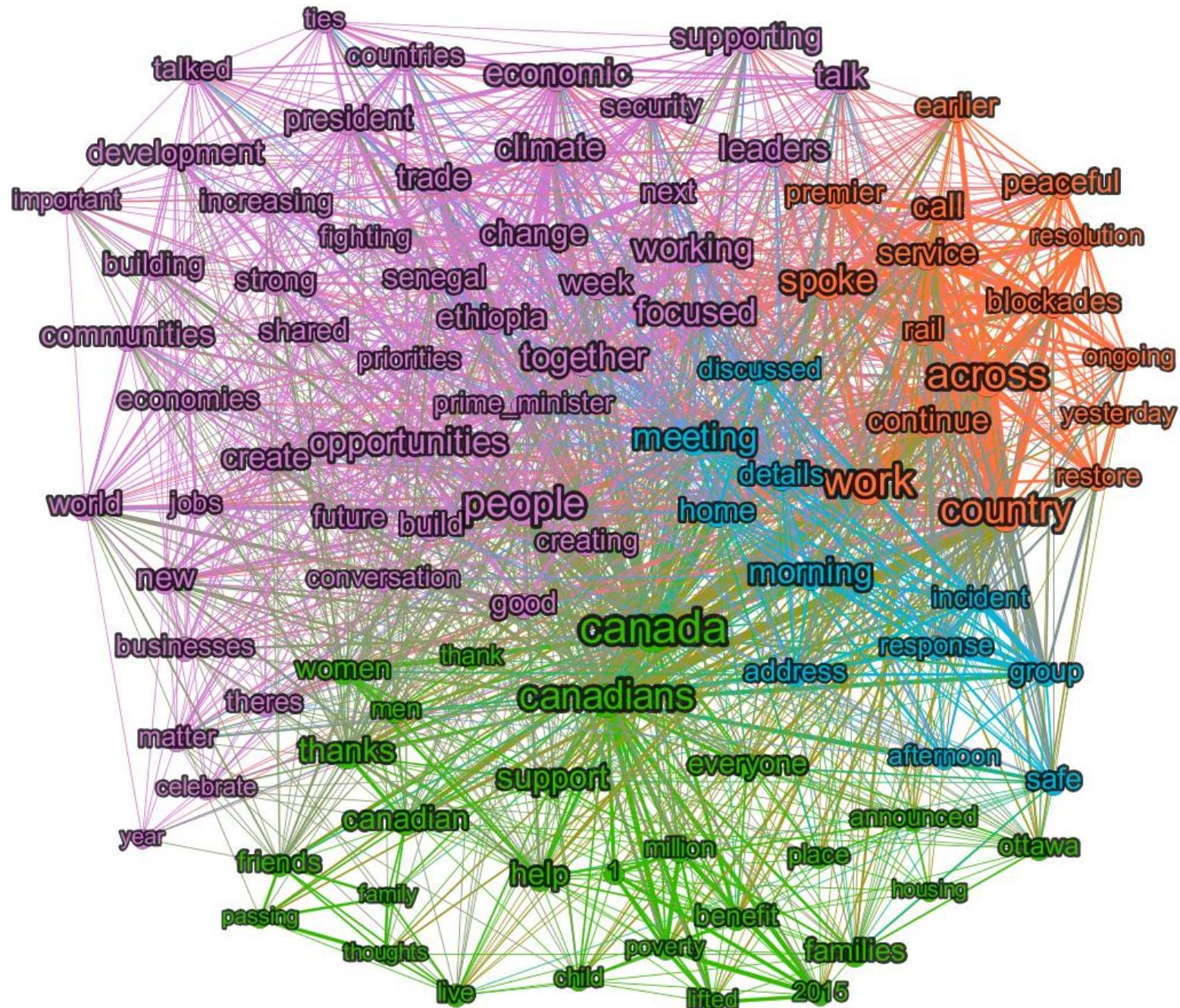




@JustinTrudeau
February 2020

J — F — M — A — M — J — +

- Orange
 - Pipeline protest/rail blockades
 - Lime green
 - Policy
 - Blue
 - Rail blockades
 - Pink
 - Africa trip

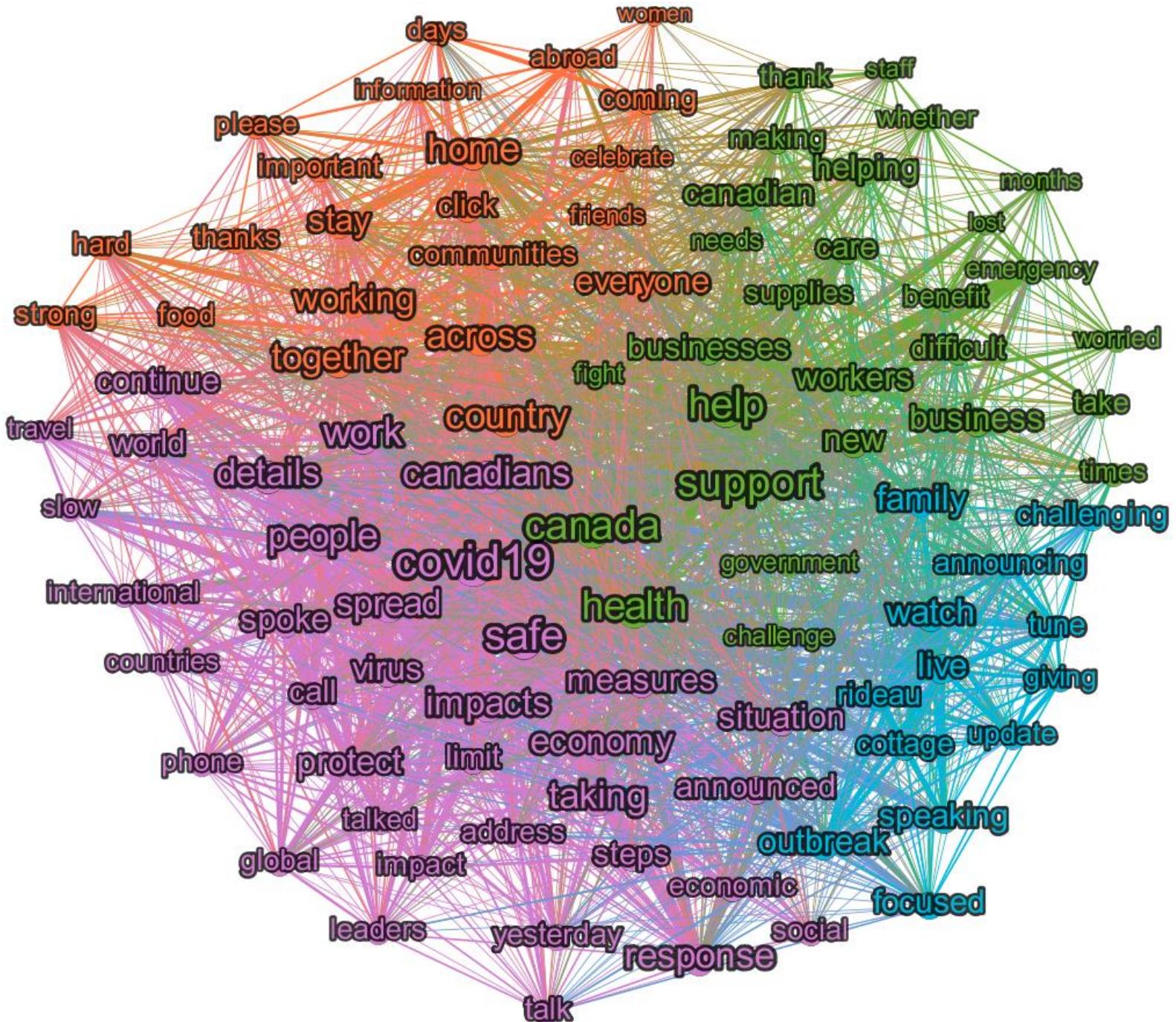




@JustinTrudeau
March 2020

A horizontal chain of seven blue circles connected by blue lines. The circles contain the letters J, F, M, A, M, J, and + from left to right.

- Orange
 - COVID-19 support
 - Lime green
 - Economy (CERB)
 - Blue
 - Daily announcements
 - Pink
 - COVID-19

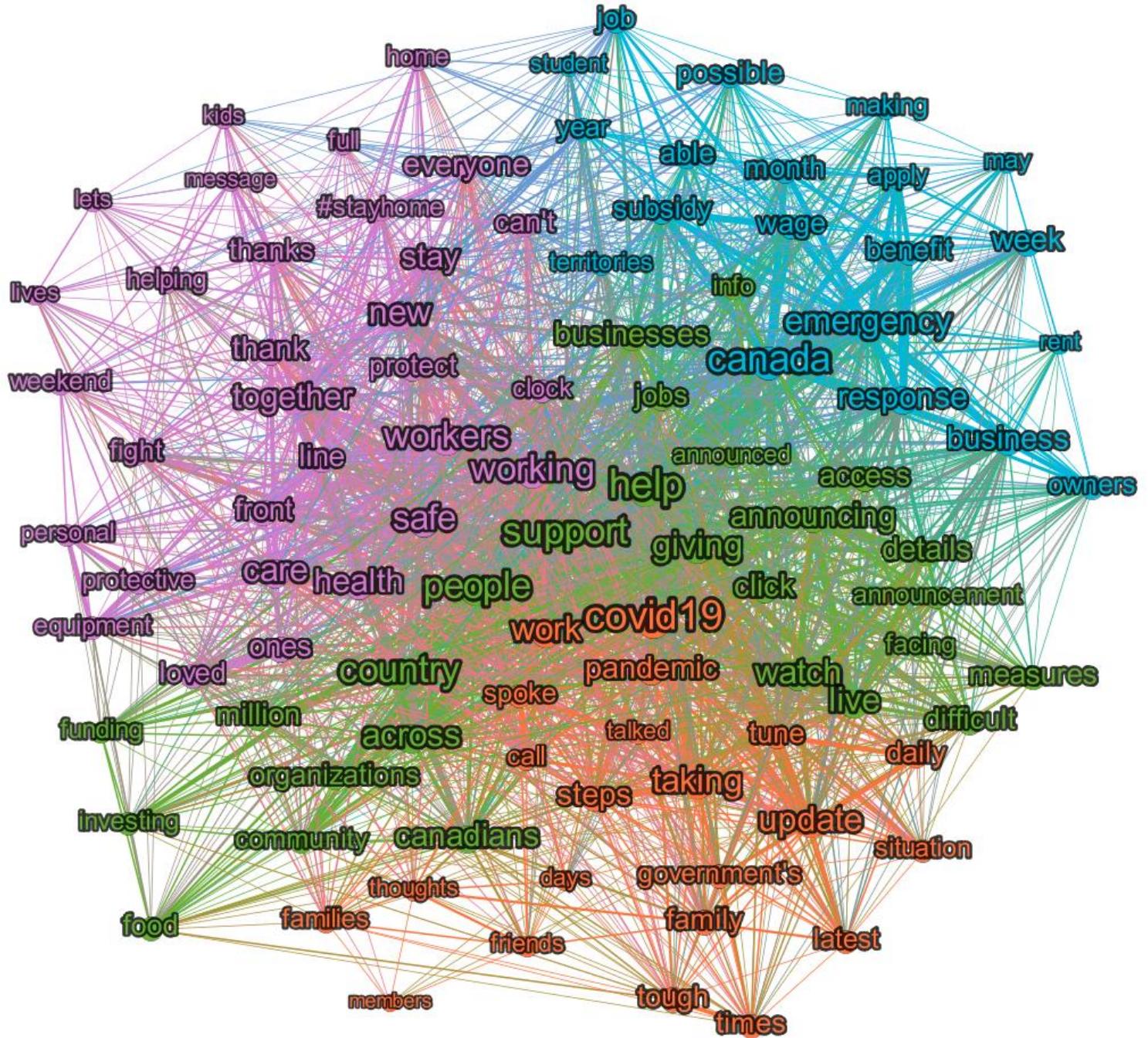




@JustinTrudeau
April 2020

J — F — M — A — M — J — +

- Orange
 - COVID-19
 - Lime green
 - COVID-19 support
 - Blue
 - Economy (CERB)
 - Pink
 - Social distancing
 - PPE



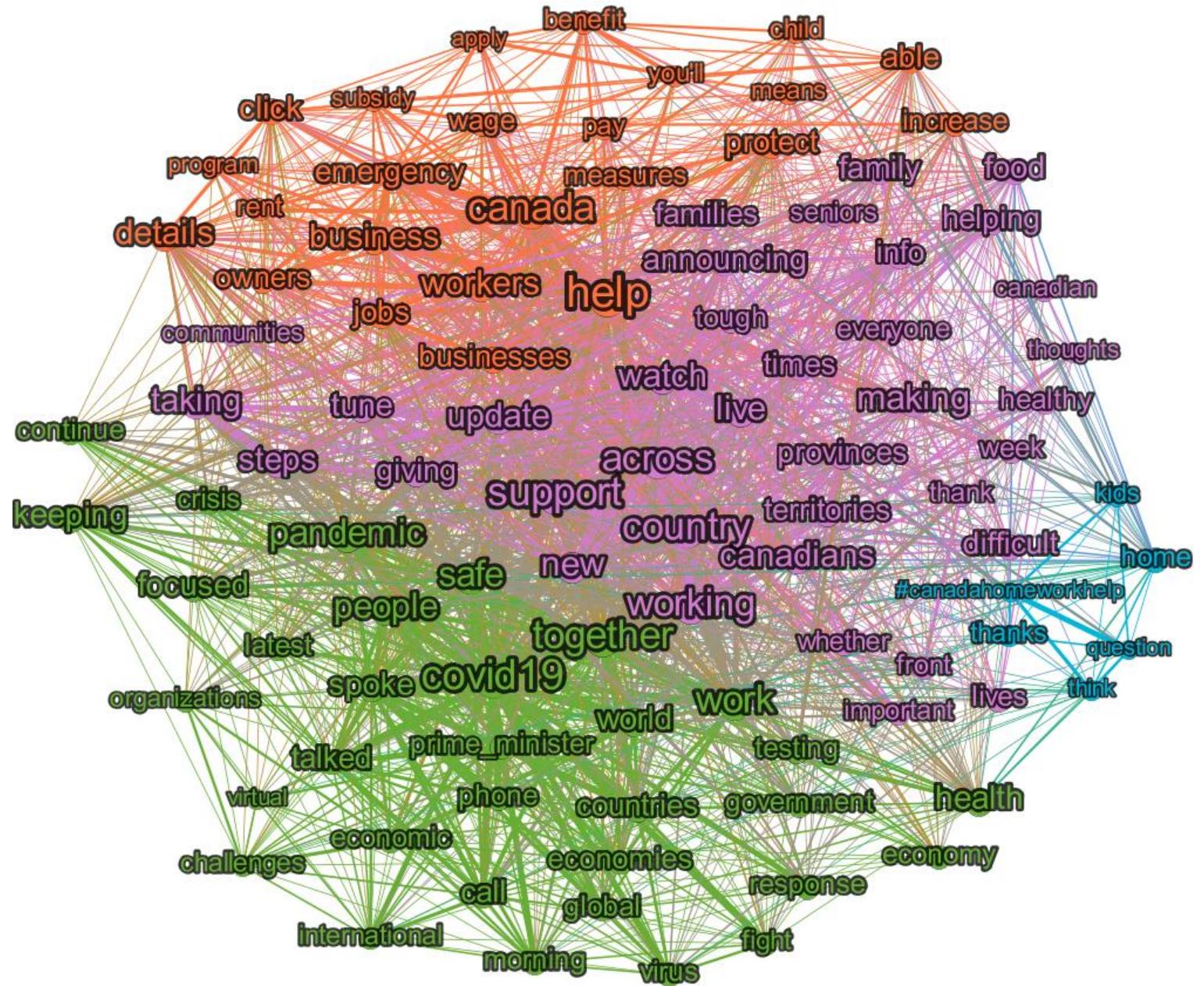


@JustinTrudeau
May 2020

J F M A M J +

Potential Community Meanings

- Orange
 - Economy
- Lime green
 - COVID-19
- Blue
 - #canadahomeworkhelp
- Pink
 - Relief measure announcements



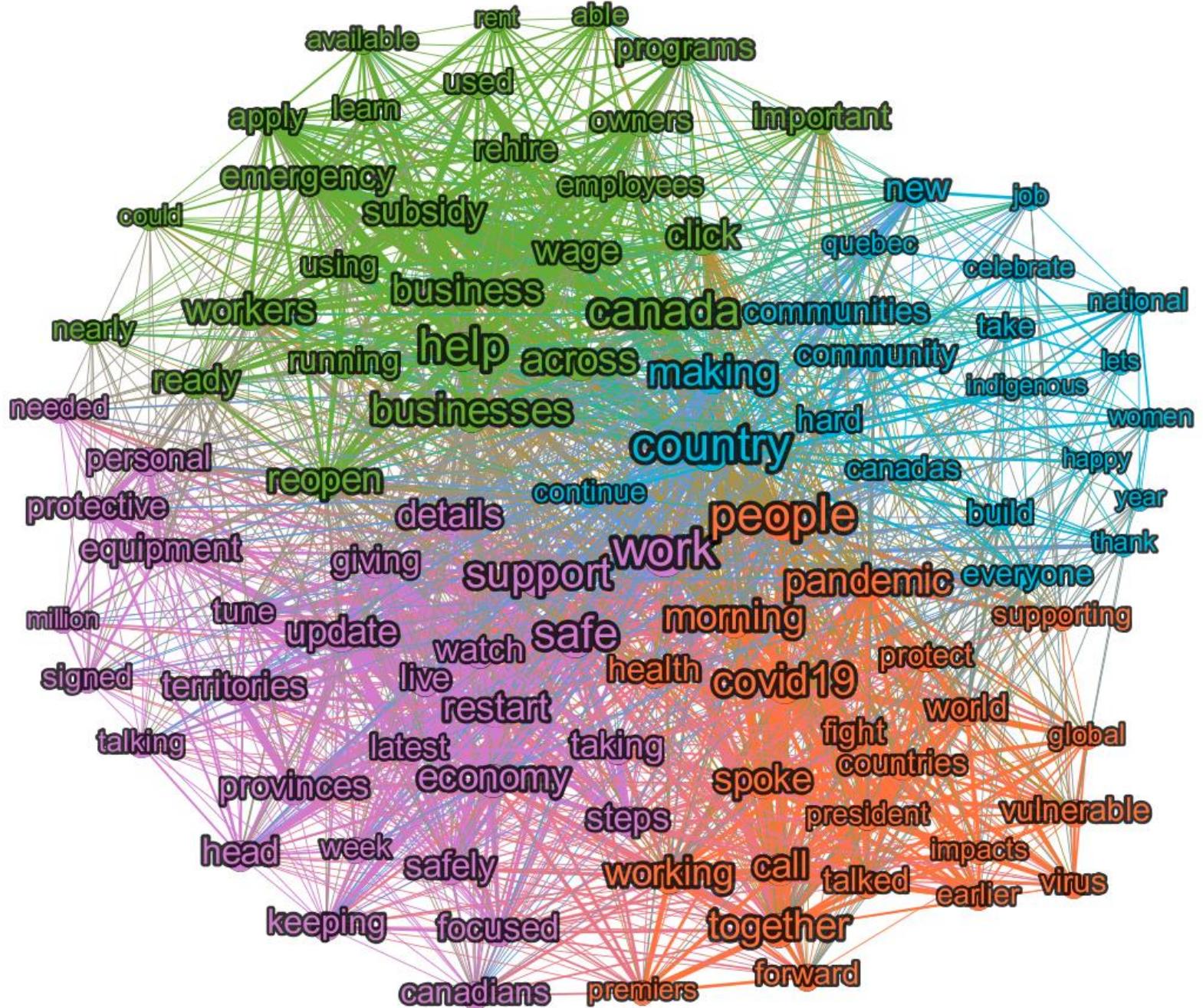


@JustinTrudeau
June 2020

J F M A M J +

Potential Community Meanings

- Orange
 - COVID-19
- Lime green
 - Economy
- Blue
 - Indigenous people's day
- Pink
 - COVID-19 response

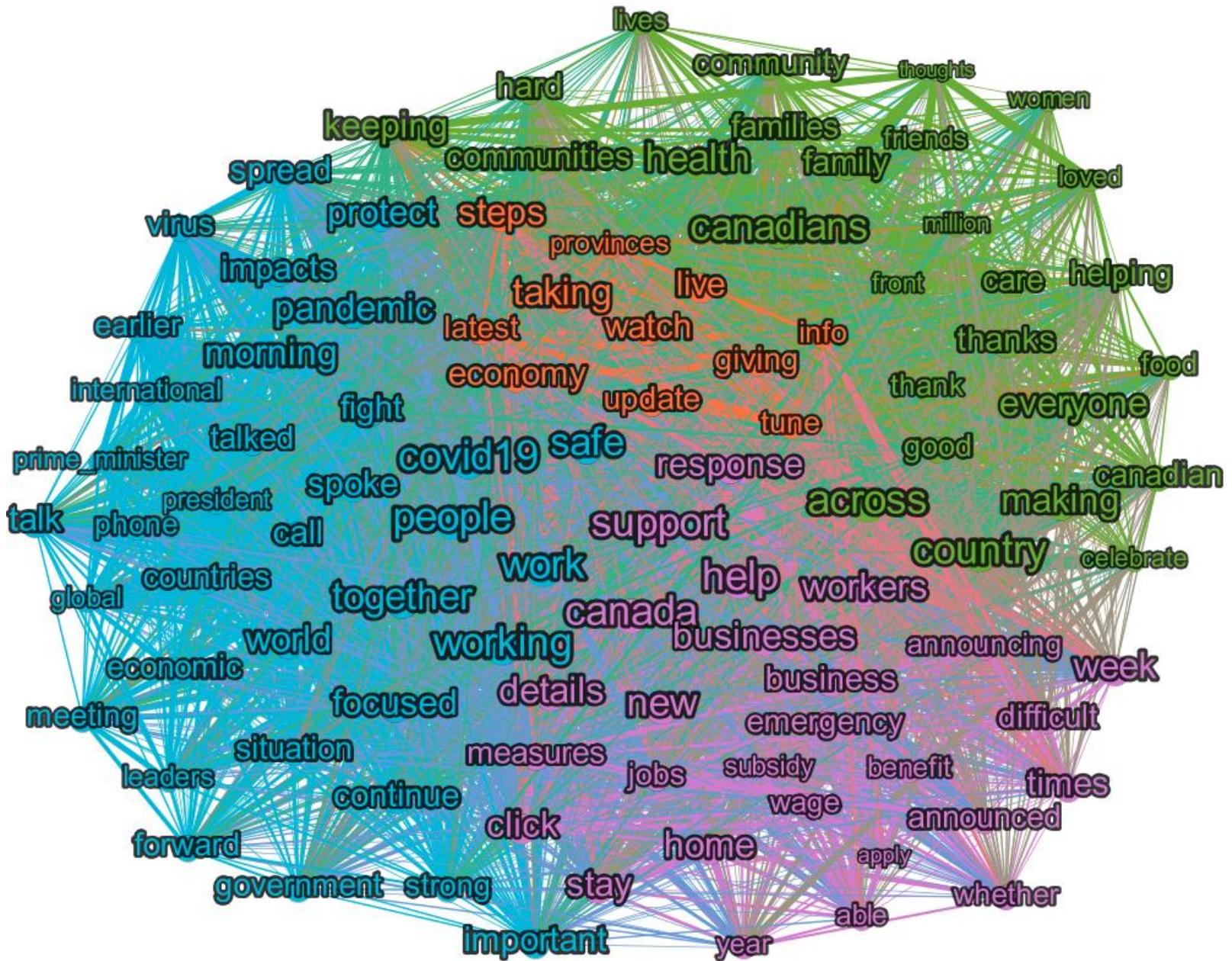




@JustinTrudeau
June YTD 2020

J F M A M J +

- Orange
 - Daily announcements
 - Lime green
 - Encouragement
 - Blue
 - COVID-19
 - Pink
 - Economy

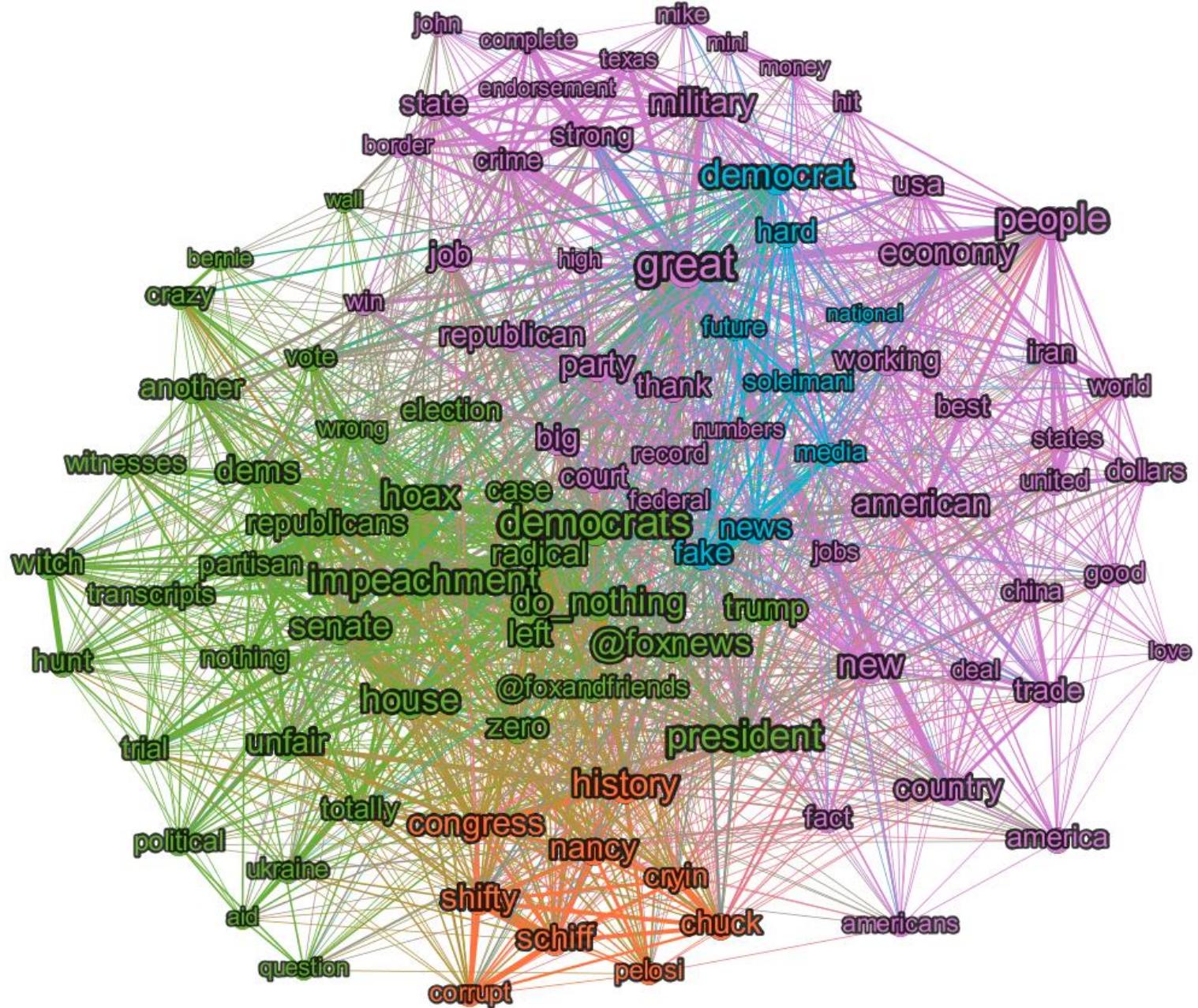




@realDonaldTrump
January 2020

J F M A M J +

- Orange
 - Democrat scheming
 - Lime green
 - Impeachment “witch hunt”
 - Blue
 - Soleimani assassination
 - Pink
 - Policy stuff
 - Republican endorsements



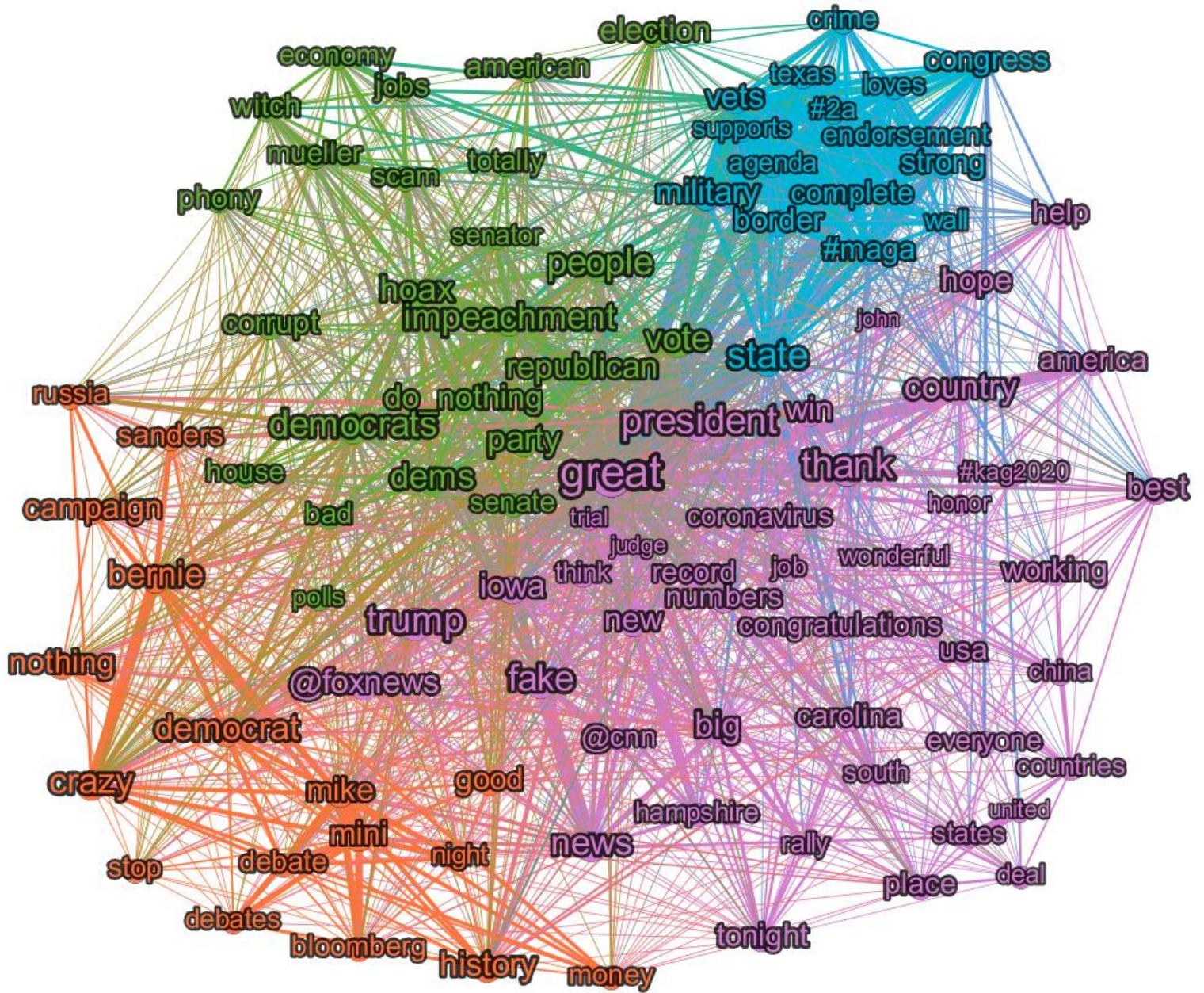


@realDonaldTrump
February 2020

J F M A M J +

Potential Community Meanings

- Orange
 - Democrat primaries
- Lime green
 - Impeachment
- Blue
 - Republican endorsements
- Pink
 - Primaries
 - Policy
 - COVID-19 under control



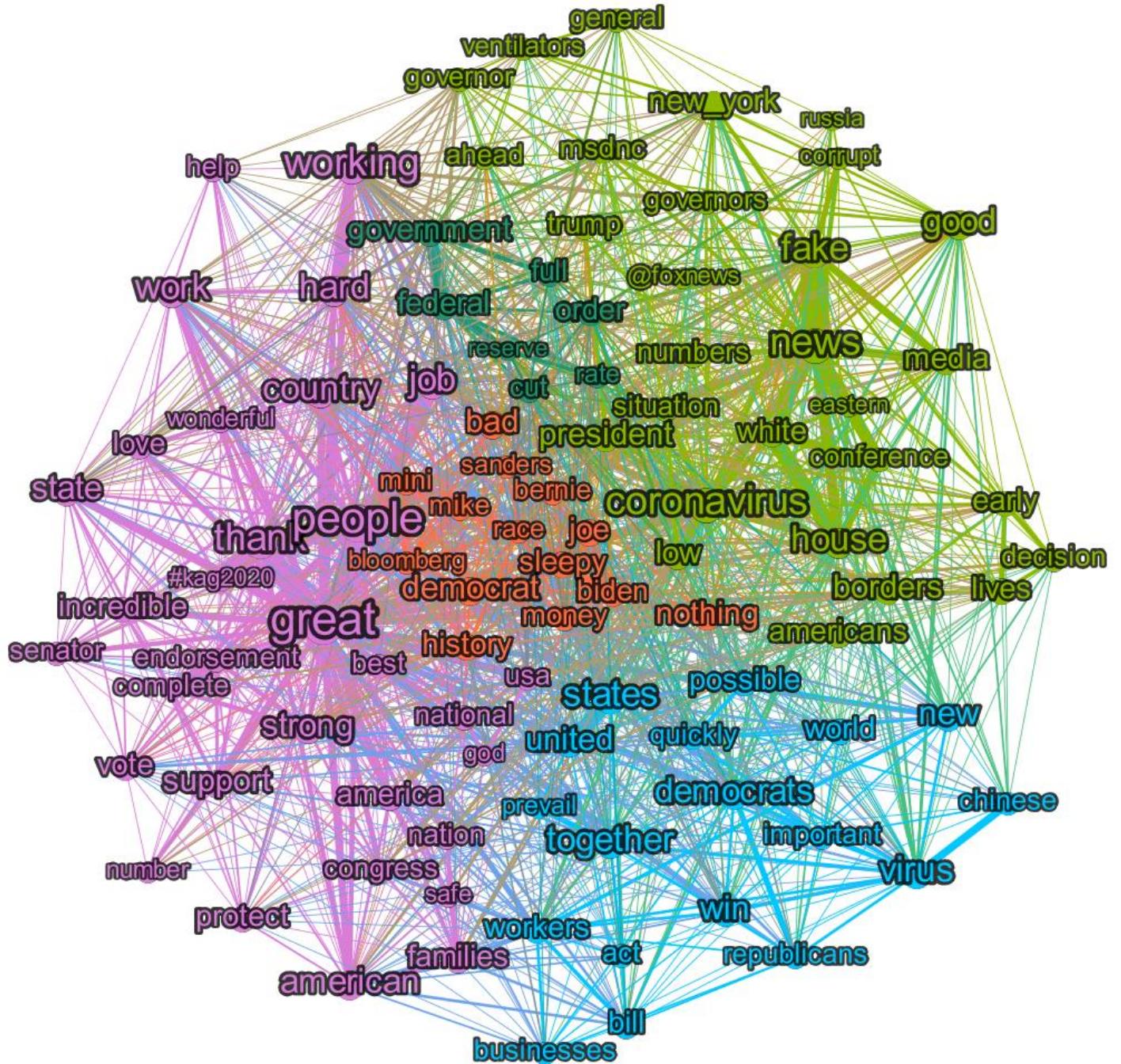


@realDonaldTrump
March 2020

J F M A M J +

Potential Community Meanings

- Orange
 - Democrat primaries
- Lime green
 - Fake COVID-19 news
- Blue
 - Fight against COVID-19
- Pink
 - Republican primaries

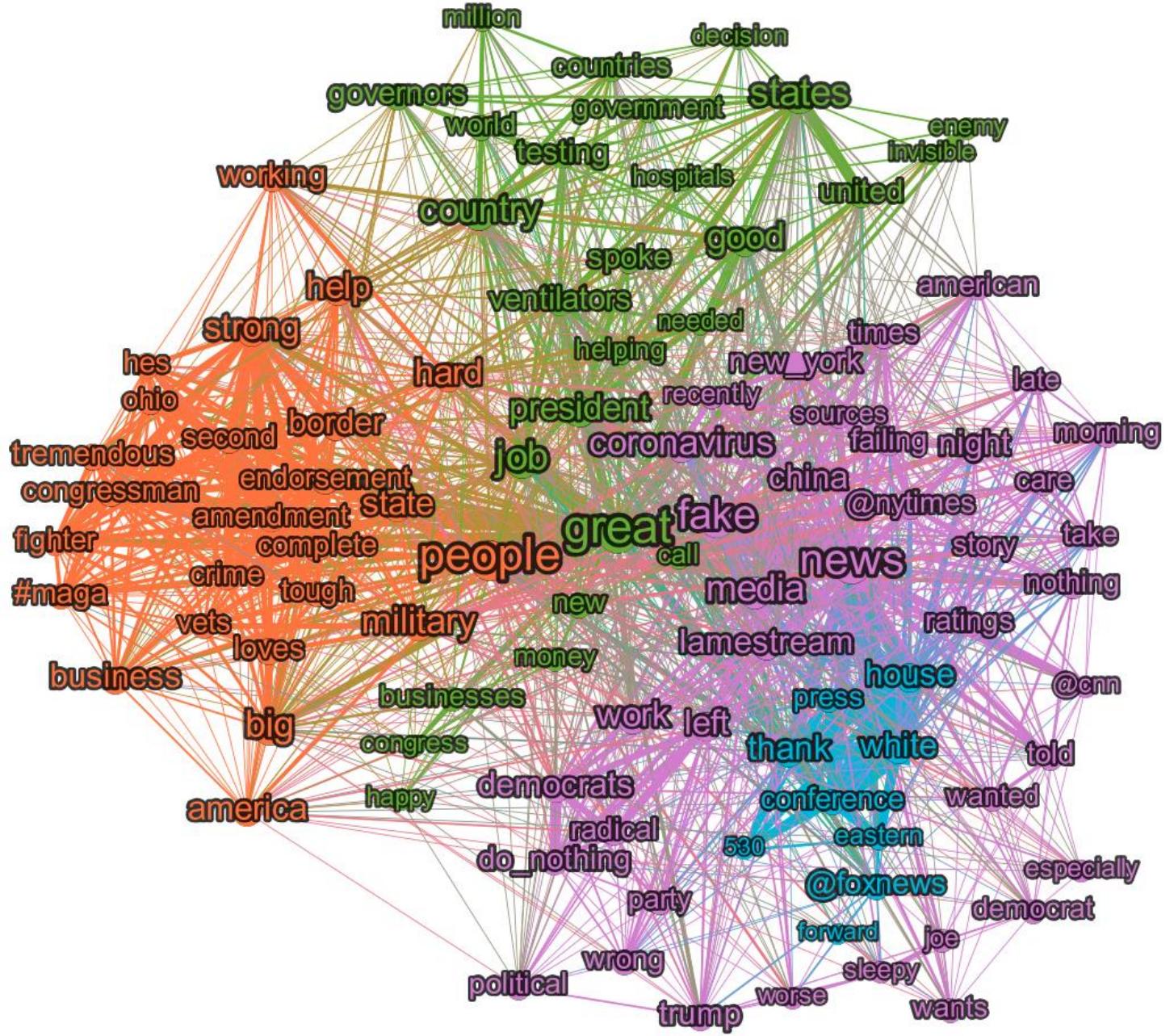




@realDonaldTrump
April 2020

J F M A M J +

- Orange
 - Republican primaries
 - Lime green
 - COVID-19 response
 - Blue
 - White house daily presser
 - Pink
 - Fake news (esp. about COVID-19)

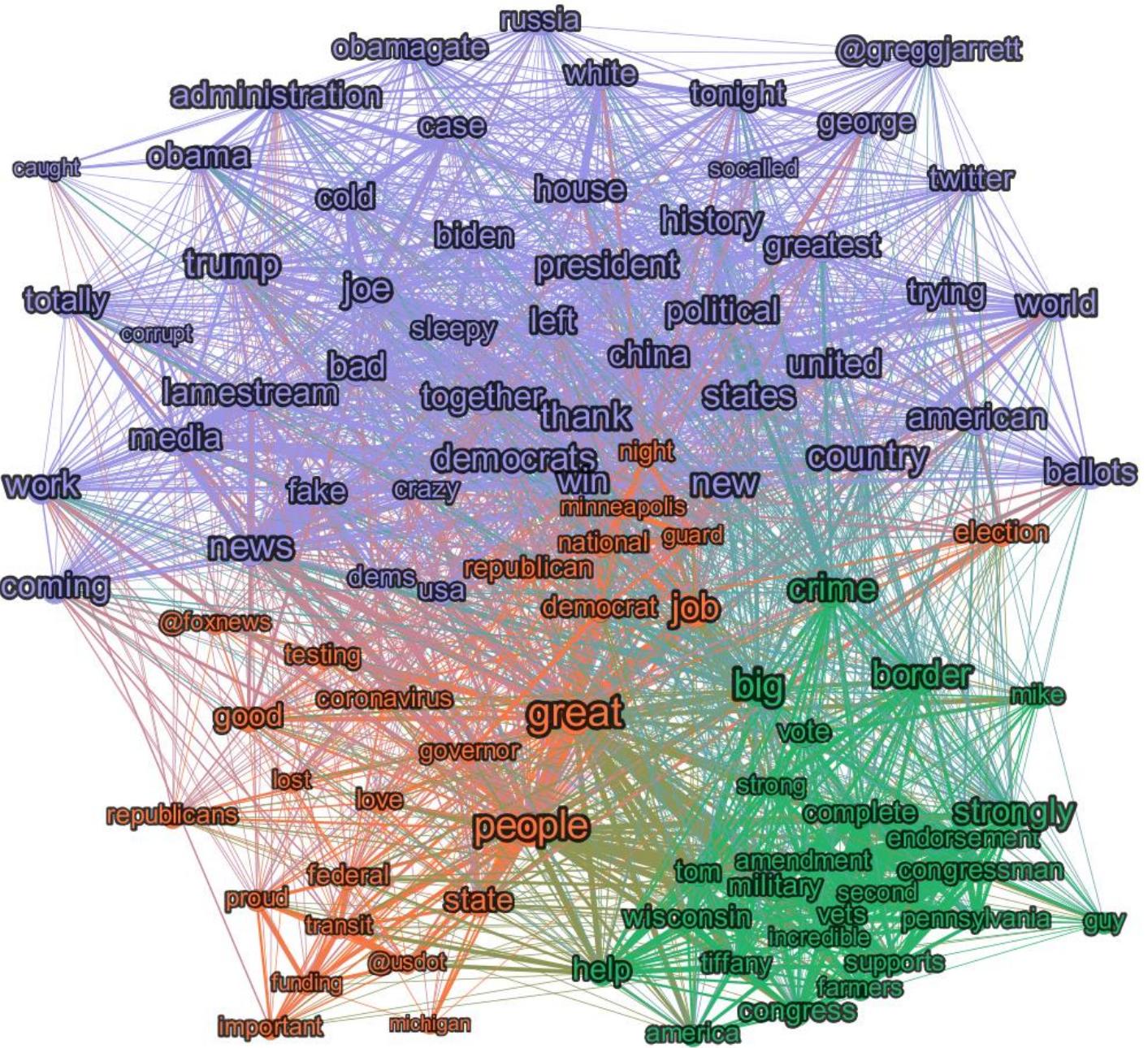




@realDonaldTrump
May 2020

J — F — M — A — M — J — +

- Orange
 - Policy (transit funding)
 - Green
 - Republican primaries
 - Lavender
 - Fake news

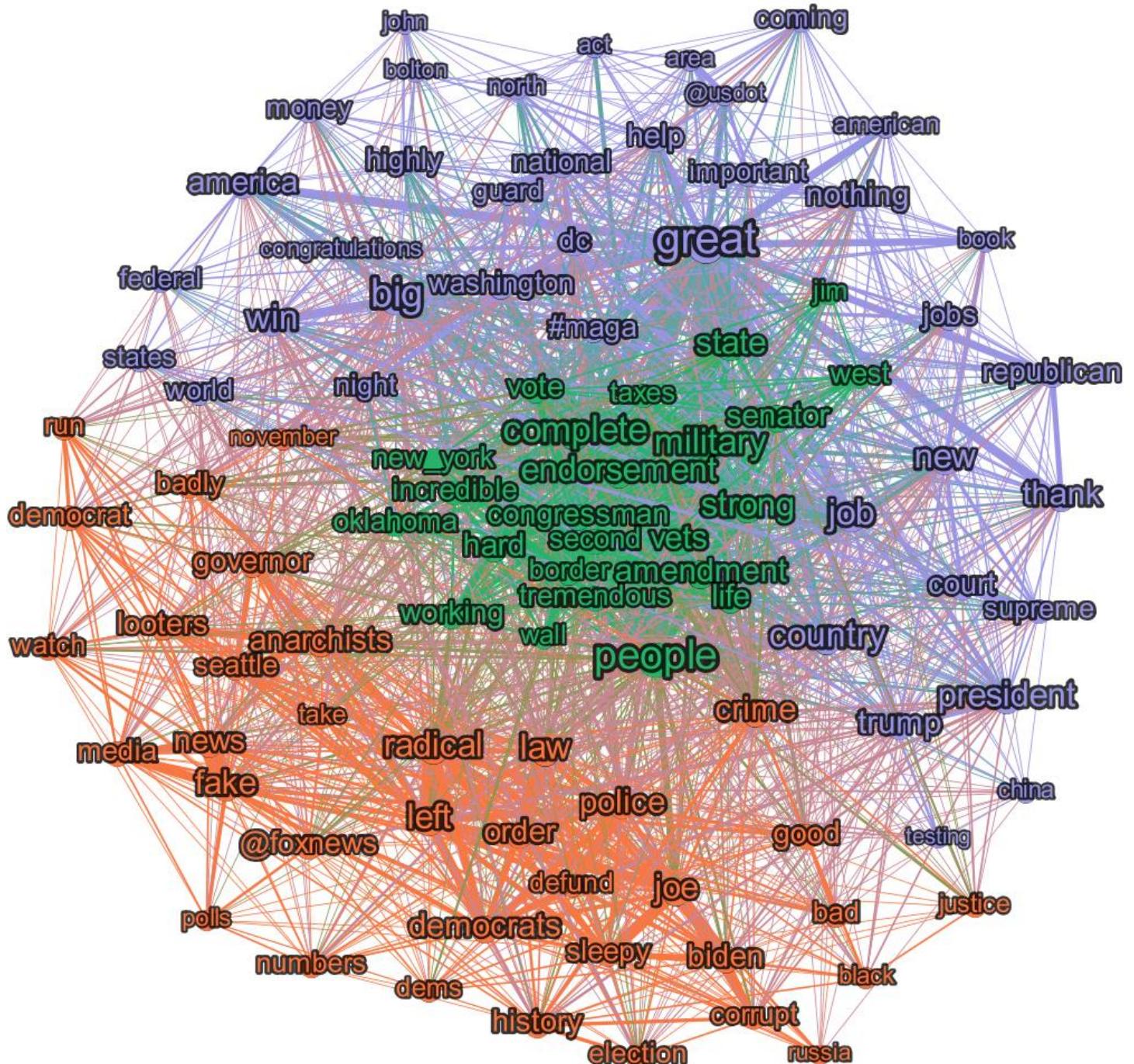




@realDonaldTrump
June 2020

J — F — M — A — M — J — +

- Orange
 - Fake news
 - Democrat stuff, protests
 - Green
 - Republican endorsements
 - Lavender
 - Policy





@realDonaldTrump
June YTD 2020

J F M A M J +

- Orange
 - Republican endorsements
 - Lime green
 - Democrat stuff (impeachment)
 - Blue
 - Fake news
 - Daily news conferences
 - Pink
 - Policy
 - Handling COVID-19

