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

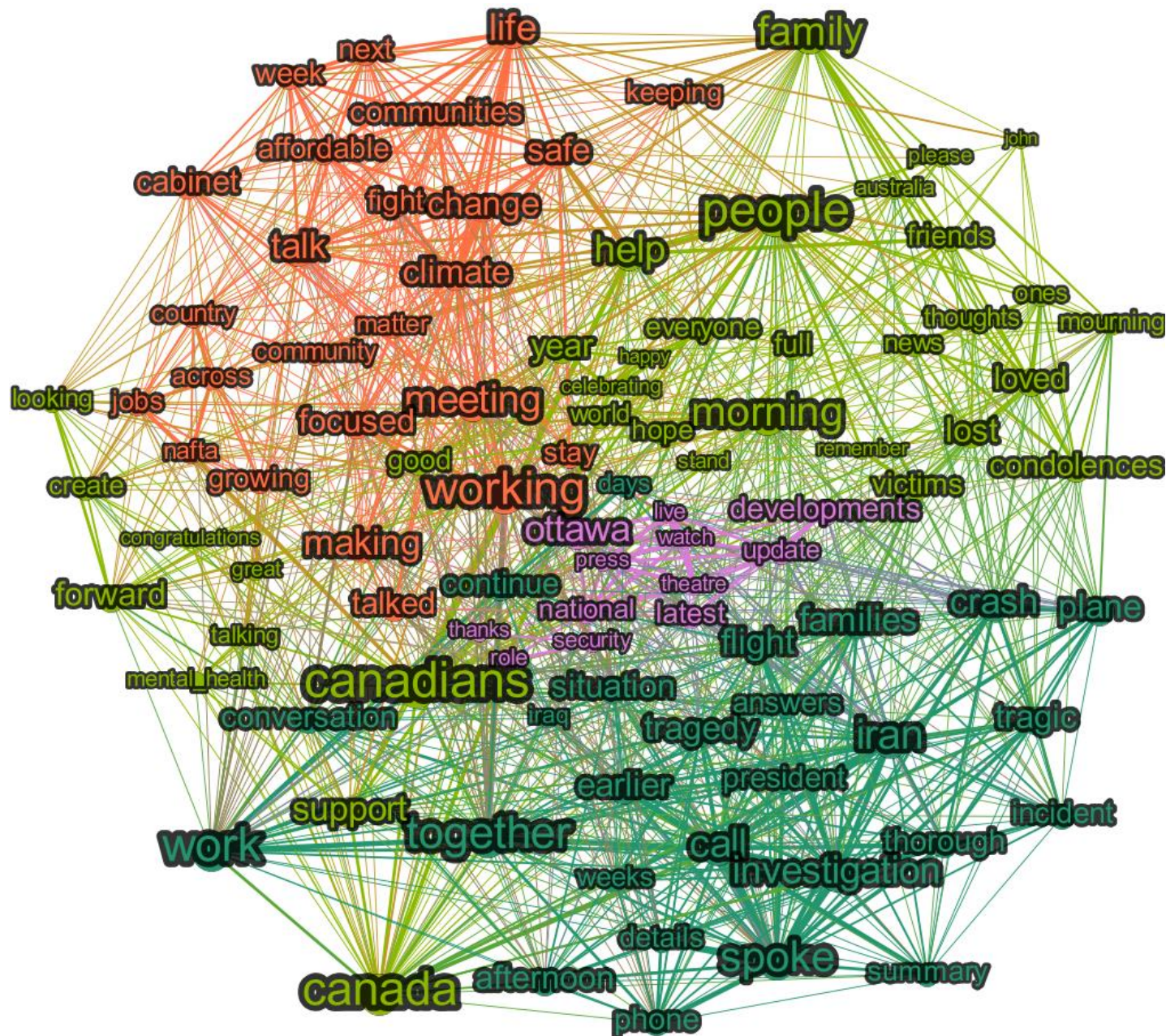Alex Nazareth

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

Potential Community Meanings

- Orange
  - Policy
- Lime green
  - Positive support
- Dark green
  - Tragedies (Iran plane incident)
  - Investigation progress
- Pink
  - Updates/news
  - National security

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February 2020

Potential Community Meanings

- Orange
  - Canada Child Benefit
  - Campaign promise to reduce child poverty
- Lime green
  - Policy
- Dark green
  - Condolences for deaths
- Blue
  - Visit to Ethiopia
- Pink
  - Coastal GasLink pipeline protests

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March 2020

Potential Community Meanings

- Orange
  - COVID updates from Rideau Cottage

- Lime green
  - Encouragement

- Blue
  - Lost income relief measures

- Pink
  - COVID measures

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April 2020

Potential Community Meanings

- Orange
  - Economic relief measures (CERB etc)

- Lime green
  - COVID morning updates

- Blue
  - Encouragement

- Pink
  - COVID general healthcare updates

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May 2020

Potential Community Meanings

- Orange
  - Economic relief measures (CERB etc)
- Lime green
  - Policy
- Blue
  - COVID morning updates
- Pink
  - COVID general healthcare updates

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Jan - May 2020

Potential Community Meanings

- Orange
  - COVID daily updates
- Lime green
  - Help
- Blue
  - Encouragement
- Pink
  - Work he is doing