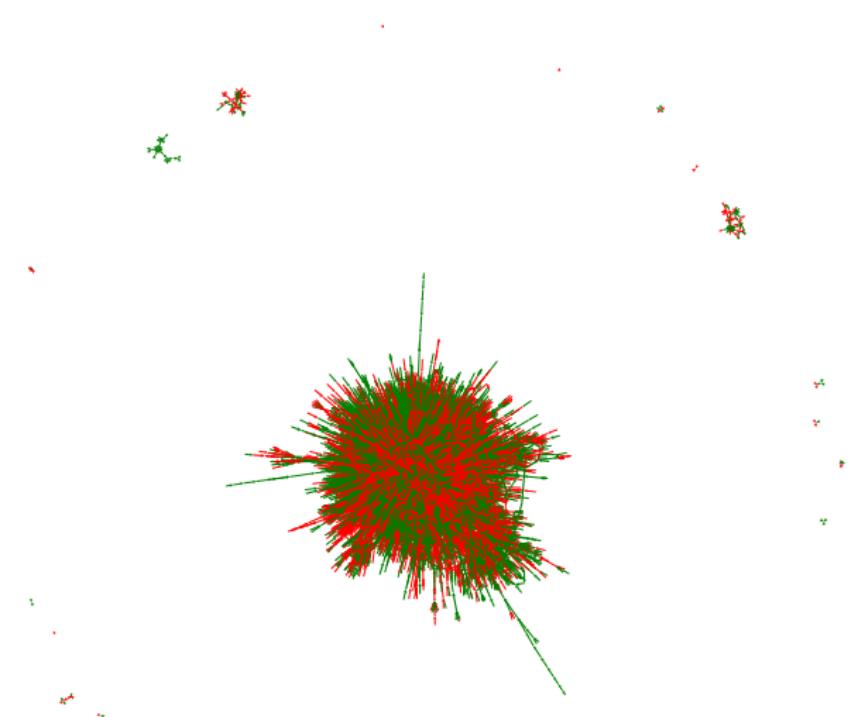


# Thesis notes

23rd February

# A bigger graph on r/politics (1)



## A bigger graph on r/politics (2)

- ▶ Built on 200 posts
- ▶ The graph has 15569 vertices and 28239 edges
- ▶ Fraction of negative edges: 0.5100276380128977
- ▶ Clustering coefficient: 0.0030298911181069264
- ▶ Average shortest path length: 10.56448348380506

## Reconstructing topics: a summary

1. From the user-user graph find communities
2. Build user-content graph by multiplying chain of comments.  
I.e. If user A replies to content C positively and B replies negatively to A, link B to C with a negative edge
3. Find position of content with respect to communities (topic) and minimal set of articles defining on which side of the debate a user is

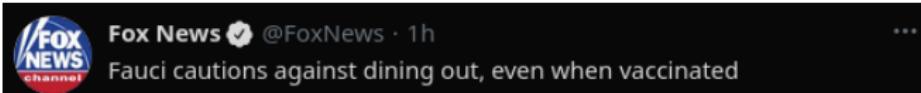
# About Twitter annotations

Twitter provides different categories which are associated to tweets

3 - TV Shows	46 - Brand Category	79 - Video Game Hardware	115 - Video Game Conference
4 - TV Episodes	47 - Brand	84 - Book Music Genre	116 - Video Game Tournament
6 - Sports Events	48 - Product	85 - Book Genre	117 - Movie Festival
10 - Person	49 - Product Version	86 - Movie	118 - Award Show
11 - Sport	54 - Musician	87 - Movie Genre	119 - Holiday
12 - Sports Team	55 - 56 - Actor	88 - Political Body	120 - Digital Creator
26 - Sports League	58 - Entertainment Personality	89 - Music Album	122 - Fictional Character
27 - American Football Game	60 - Athlete	90 - Radio Station	130 - Multimedia Franchise
28 - NFL Football Game	65 - Interests and Hobbies Vertical	91 - Podcast	132 - Song
35 - Politicians	66 - Interests and Hobbies Category	92 - Sports Personality	136 - Video Game Personality
38 - Political Race	67 - Interests and Hobbies	93 - Coach	137 - eSports Team
39 - Basketball Game	68 - Hockey Game	94 - Journalist	138 - eSports Player
40 - Sports Series	71 - Video Game	110 - Viral Accounts	139 - Fan Community
45 - Brand Vertical	78 - Video Game Publisher	114 - Concert	

# About Twitter annotations

But the results are not really satisfying



Fox News  @FoxNews · 1h  
Fauci cautions against dining out, even when vaccinated

Annotations:

- ▶ Brand Vertical(Top level entities that describe a Brands industry): **Entertainment**,
- ▶ Brand Category: (Categories within Brand Verticals that narrow down the scope of Brands): **Online Site**,
- ▶ Brand Category (Categories within Brand Verticals that narrow down the scope of Brands): **TV/Movies Related**,
- ▶ Brand(Brands and Companies): **Fox News**,
- ▶ Interests and Hobbies Vertical(Top level interests and hobbies groupings, like Food or Travel): **Food**
- ▶ Interests and Hobbies Category(A grouping of interests and hobbies entities, like Novelty Food or Destinations): **Dining**
- ▶ Interests and Hobbies(Interests, opinions, and behaviors of individuals, groups, or cultures): **Dining out**