

AN ANALYSIS ON US POLITICAL DISCUSSIONS ON REDDIT

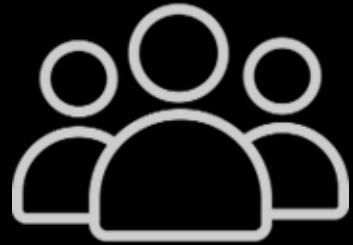
Luke Dickson, Tom Finke, Gabriel Himmlein, Margarette Mendoza

DATA COLLECTION



Data Scope

US political discussions on Reddit



Selection of Subreddits

Capture influential communities



Temporal Coverage

Immediate trends and persistent topics

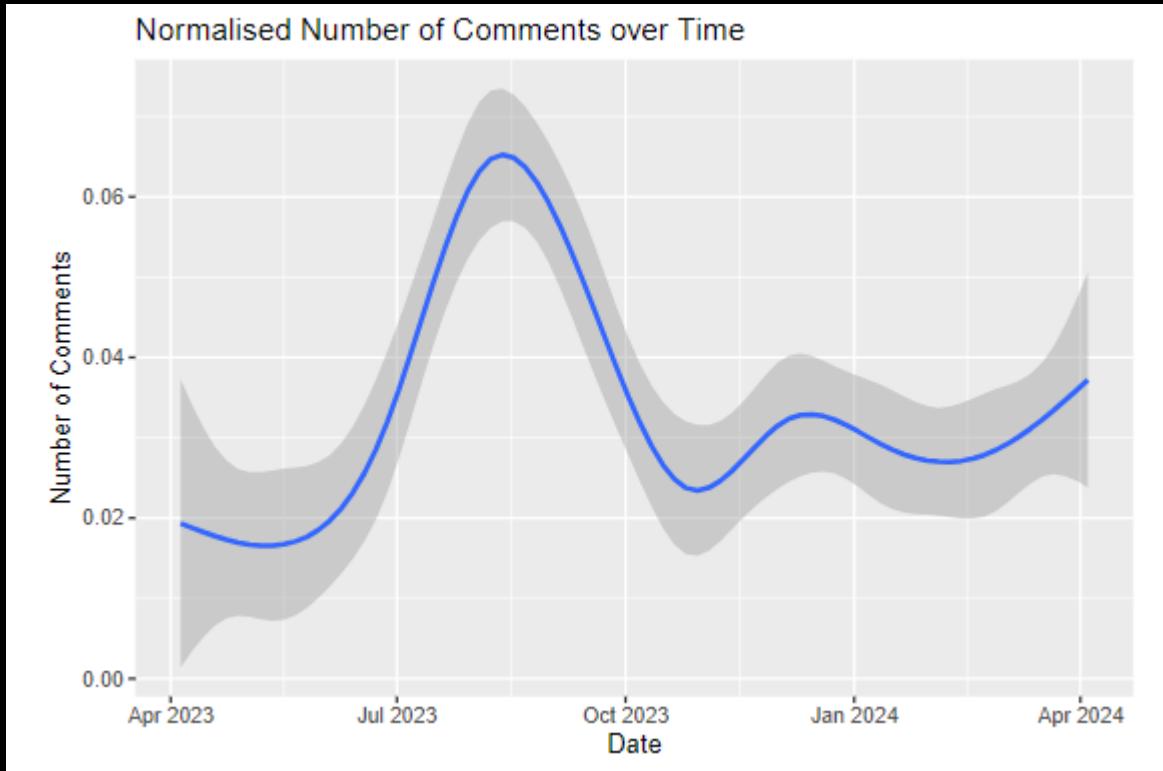


Enhanced Post Information

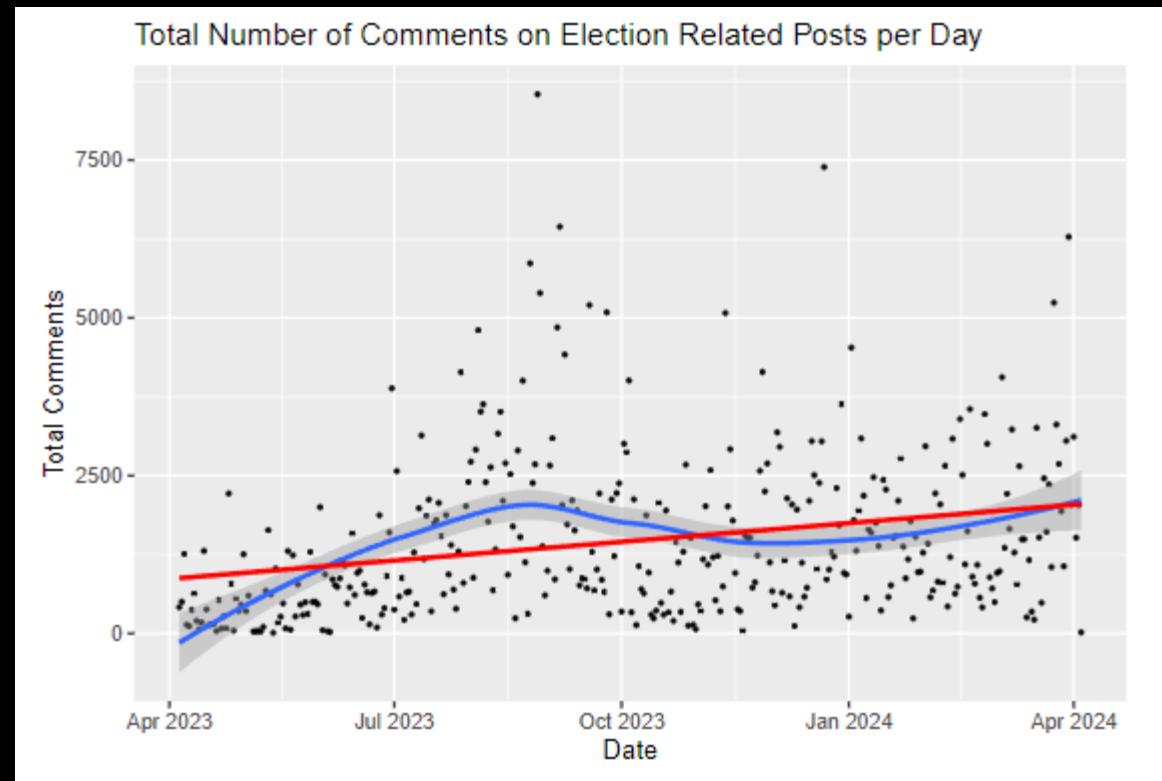
Unify and enrich insights across the dataset

PLOTS - LINEAR MODELS

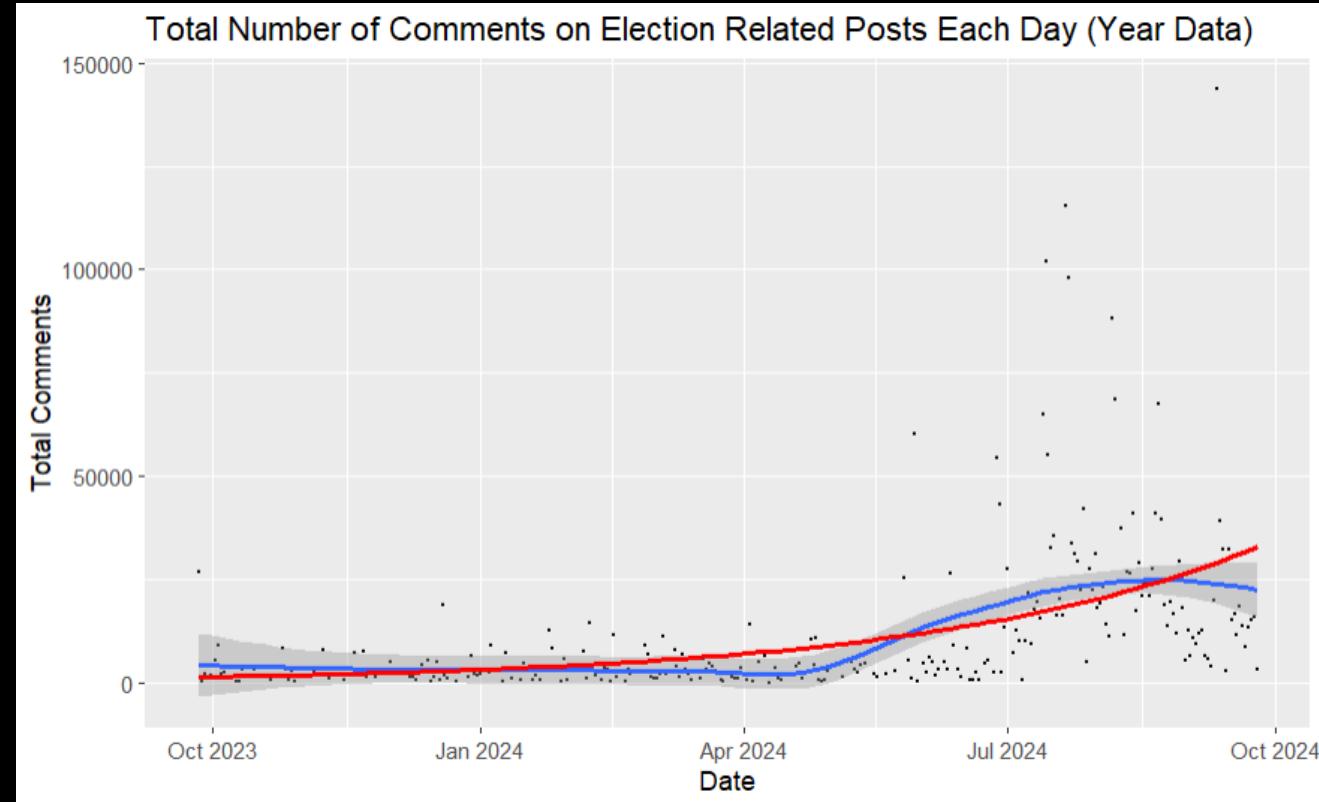
Plot of Normalised
Number of Comments
on Posts Based on Date



Plot on Total Number
of Comments on All
Posts Each Day



PLOT - POISSON MODEL

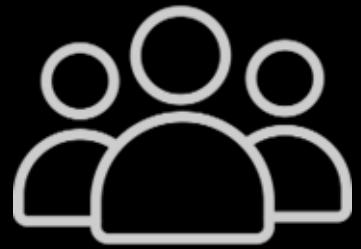


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Plot of Total Comments on Each Day

(fitted with a Poisson Regression Model)

NETWORK ANALYSIS



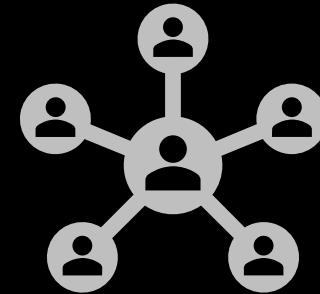
Communities

Discover similar thinking groups of people



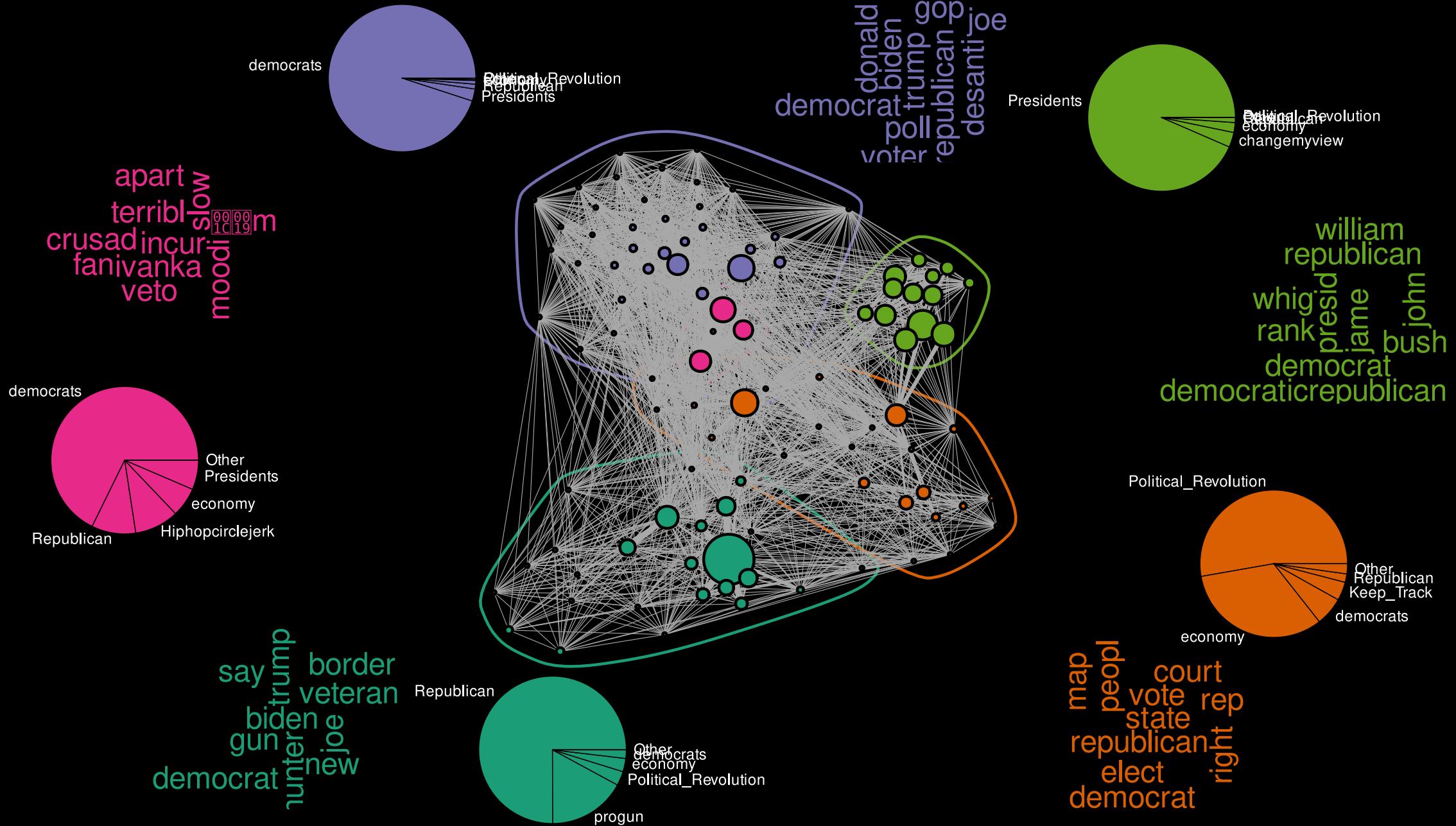
Topics

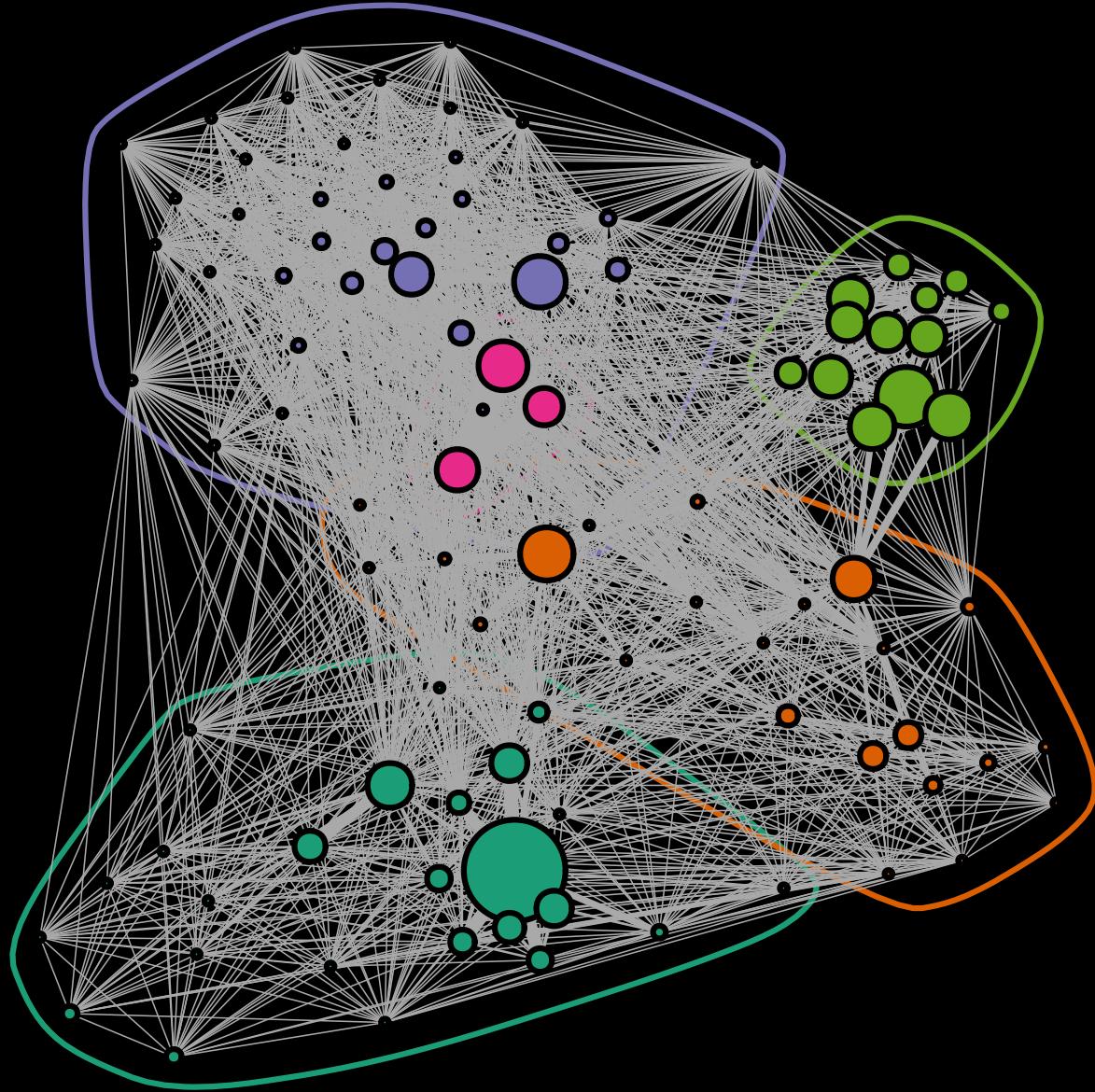
Gain insight into topics of discussion in communities

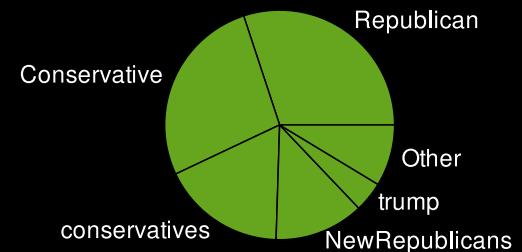


Central users

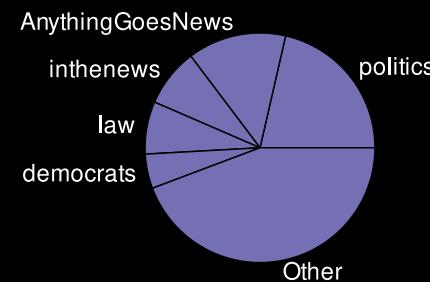
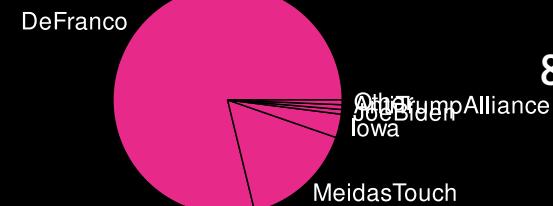
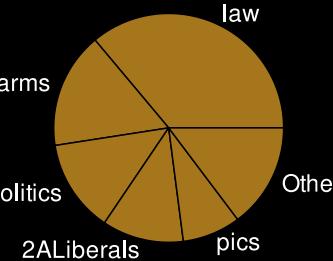
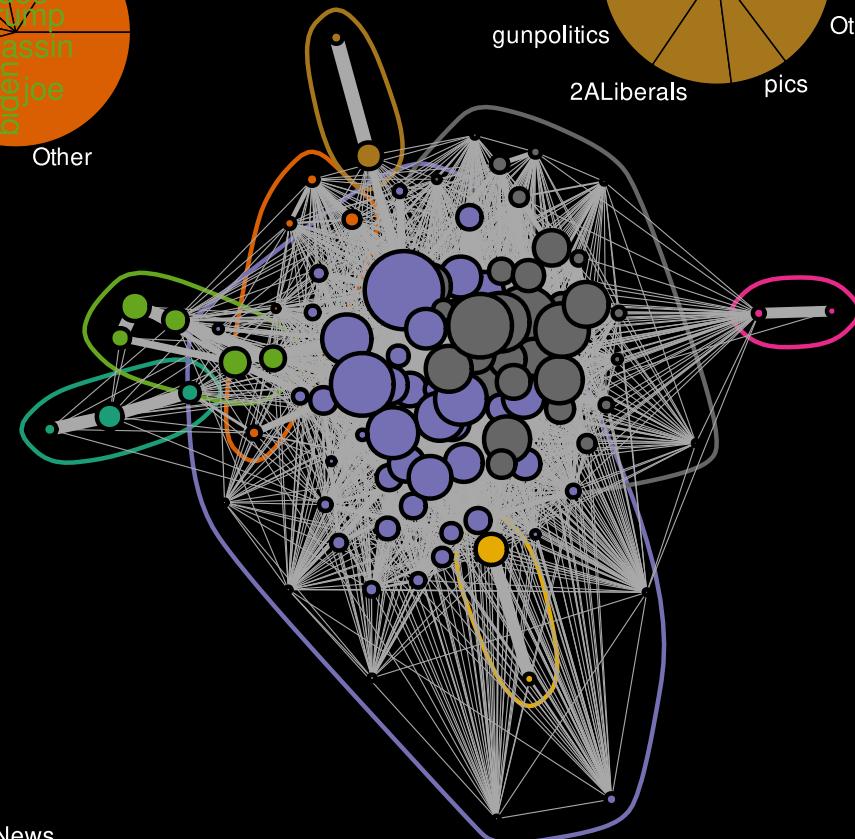
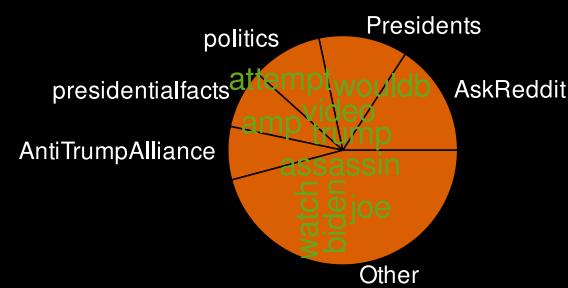
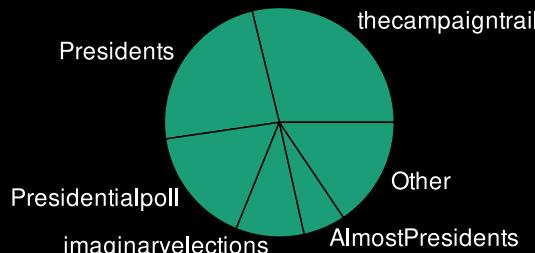
Discover central users within communities



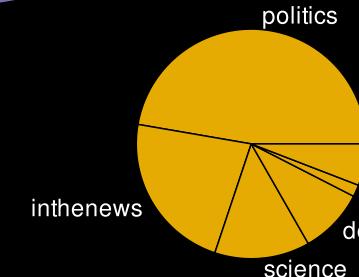




democraticrepublican
brown presid
johnpoe
howev adam
polk war
reconstruct



trump
volcan
christi
emot
studi
research
dyson
perceiv
teeth
polar
inthenews



https://podlink
https://podlink
unofficial
etp
hardhit
subscrib
podcast
discuss
jessica
denson
league

K-MEANS CLUSTERING

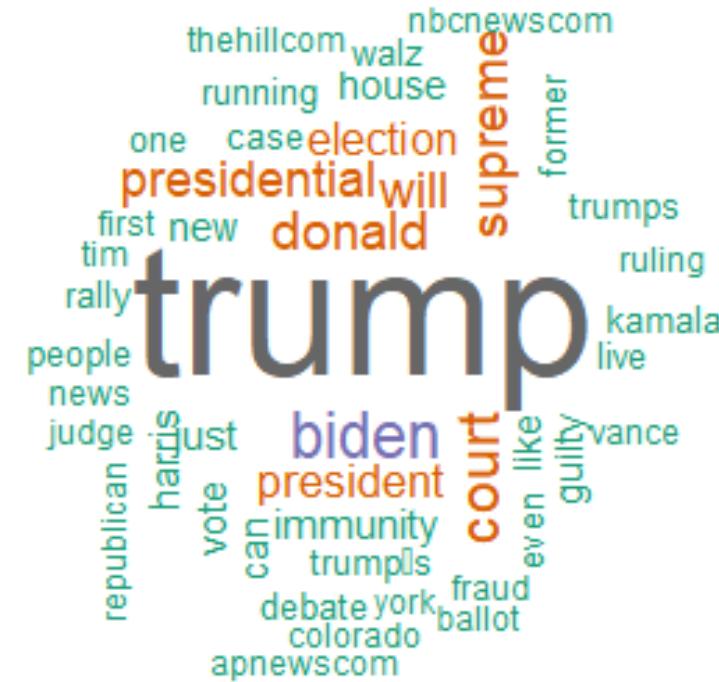
1	2	3	4	5	6	7	8	9
6509	4	13	3	1	11	1	68	202

1	2	3	4	5	6
1	6664	1	237	13	12

YEAR WORD CLOUD

board republican
donald also new called
get one can kamala
voters people think
like election party
trump voter
harris said voting
will vote first
just told even
make state political
support debate
back president
know biden

MONTH WORD CLOUD



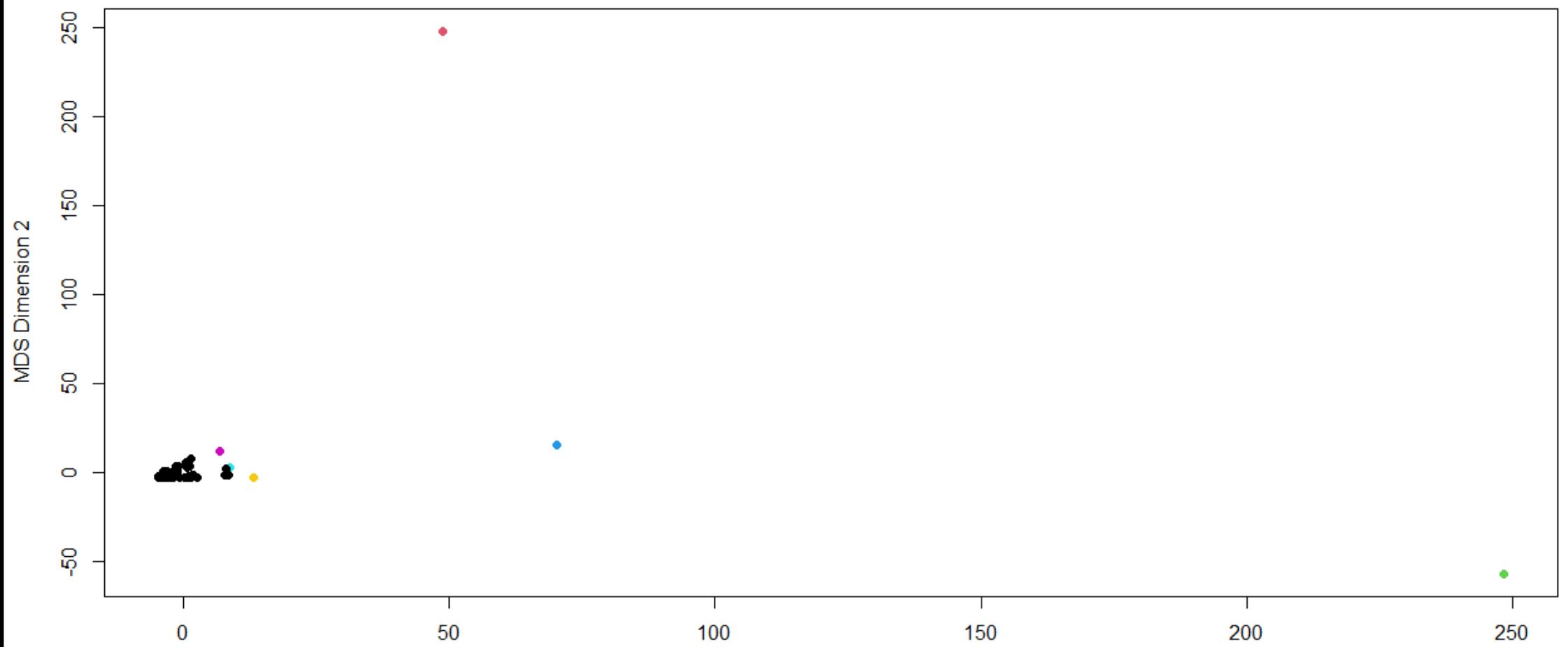
Year before election

board republican
donald also new called
get one can kamala
voters people think
like election party made
trump voter last now time
harris said voting
just will vote first
make told even
support back president political
know biden

Month before election

A word cloud centered around the word "trump". Other prominent words include "biden", "court", "republican", "democrat", "vote", "immunity", "trumps", "debate", "york", "colorado", "apnewscom", "nbcnewscom", "walz", "running", "house", "one", "case", "election", "presidential", "will", "first", "new", "donald", "tim", "rally", "people", "news", "judge", "hardis", "just", "can", "even", "like", "vance", "guilty", "fraud", "ballot", "former", "trumps", "ruling", "kamala", "live", "supreme", and "running".

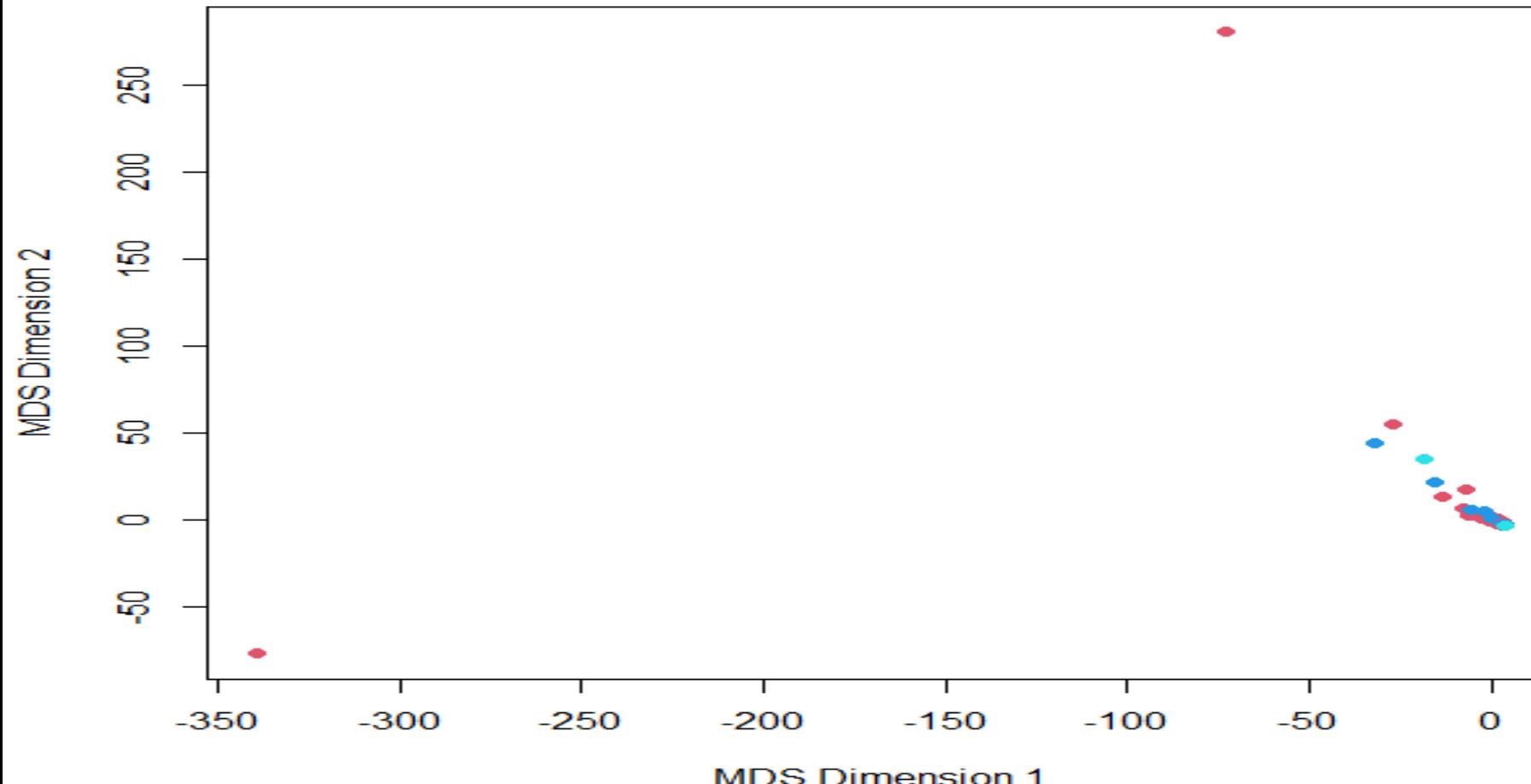
K-means Clustering of Year Data in 2D



YEAR DATA

MONTH DATA

K-means Clustering of Month Data in 2D



CONCLUSION