DSC 180A Data Science Project I Section A02

Wikipedia Edit Wars

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Outline

1. Overview of the domain

2. A bit about me

3. A bit about you

4. Discussions

1/ Overview of the domain

Background

- Largest collection of human knowledge
- Open: Everyone can access, everyone can contribute

Talk:Hummus

From Wikipedia, the free encyclopedia

WARNING: ACTIVE ARBITRATION REMEDIES

The article Hummus, along with other articles relating to the Arab–Israeli conflict, remedies resulting from three arbitration cases (see WP:A/I/PIA). The current res

- **Editing restrictions for new editors:** All IP editors, accounts with fewer than 30 days tenure are prohibited from editing any page that could be reasonably Israeli conflict.
- **Limit of one revert in 24 hours:** All articles related to the Arab–Israeli conflic WP:1RR (one revert per editor per article *per 24-hour period*). When in doubt
- **All Arab–Israeli conflict-related pages, broadly interpreted, are subject t** uninvolved administrator may levy restrictions as an arbitration enforcement a after an initial notification.

Potato chips

Should potato chips be flavored or flavoured?

I honestly don't see why this is here, since Canadians, who primarily use *-our* spellings, also call them

> The dispute wasn't over whether to call them potato chips, it was over whether to use the "-our" or
> listed here. :) Bryan 03:25, 6 Apr 2005 (UTC)
>
> > Lame indeed. Why use the word at all if it can be avoided? I'ts not even necessary, just call the
> >
> > > The issue had nothing to do with specific flavours, but to do with the invention and process.
> > >
> > > > The problem is this: the United States, where the "true" potato chip was invented, is not
> > > > English, a "potato chip" is a french fry!
> > > >
> > > > > And we descend into it again. Lets just drop it... its a listed edit war, leave it at that. --
> > > > >
> > > > > > You are wrong. It's as simple as that. In this context, in commonwealth English, a
> > > > > > is ENGLISH wikipedia, so the ENGLISH spelling should be used. "Flavor" is not
> > >
> > > Using specific flavour names wouldn't have been workable in the slightest--Kiand 12:37, 11

Top 12 controversial articles in English Wiki (2013)

- George_W._Bush
- Anarchism
- Muhammad
- List_of_World_Wrestling_Entertainment_employees
- Global_warming
- Circumcision
- United_States
- Jesus
- Race_and_intelligence
- Christianity
- Michael_Jackson
- Barack_Obama

Yasseri et al. (2013)

How "open" is good?

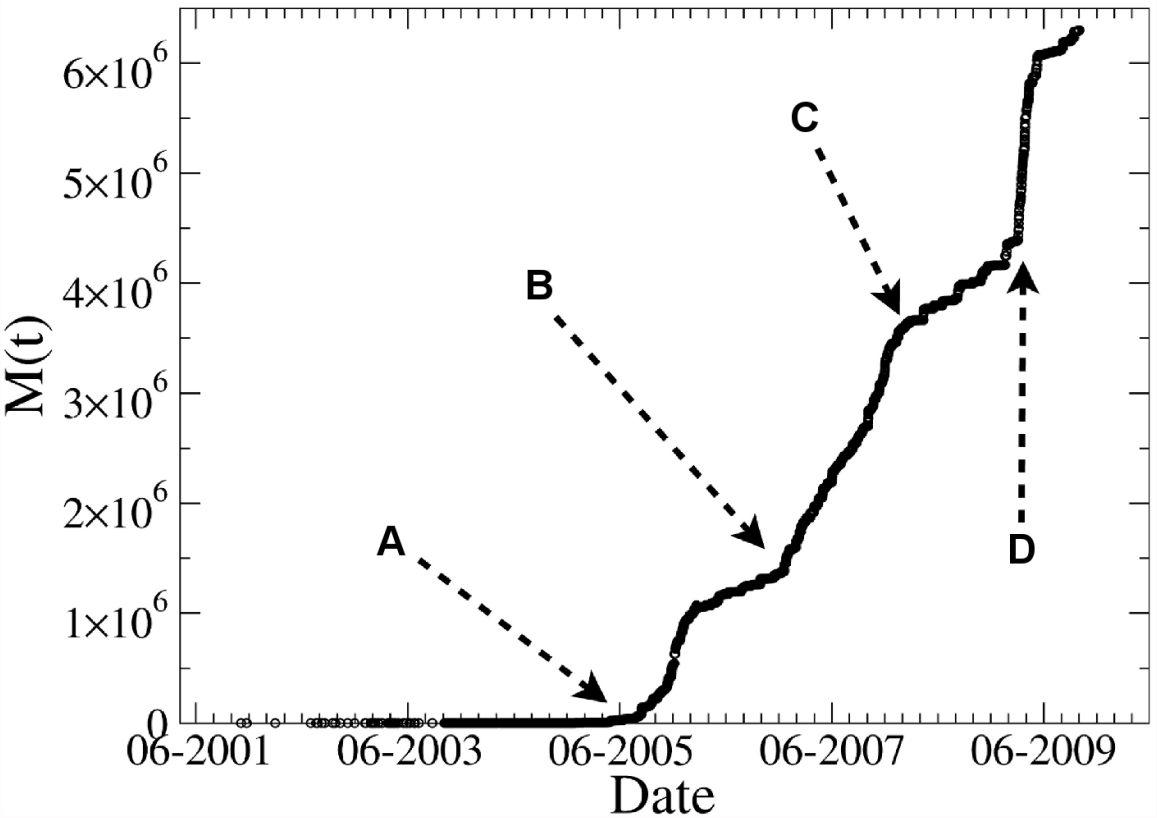
- Camp A: Allowing unregistered editors to edit
  - Helps grow the community
  - Better arguments may survive the debate
- Camp B: Tighter restrictions on editing
  - Produce a higher-quality resource
  - Attract a better class of editors
- We face a very similar debate on social media and Internet freedom today

Preview of the techniques

- Parse large dumps of xml (from publicly available data)
- NLP (any language of your choice)
- Time series and causal inference
- Network analysis (among articles or editors)

Sketch of the replication

Controversy measure of the article “Michael Jackson”



- Update the list of controversial articles of any language to today
- Build the fundamentals for your project, know the data

Possible directions for project proposals

- The proposal is NOT limited to be about edit wars
  - The replication familiarize you with the data
  - But can work on anything cool using Wikipedia data

- Examples
  - What predicts edit wars?
  - Do editors coordinate to change certain topics?
  - How effective are Wikipedia's certain editing restrictions?
  - Algorithms to judge edit wars vs. human judgments

Logistics

- Materials all on Github repo
- Discussion: Wed 9-10 WLH 2113
  - Discuss the readings and the domain assignments
  - Come, since there are 10% for participation
- Lab / Office hour: Fri 9-10 CSE Basement
  - Please sign up in advance:
    `https://calendly.com/kengchichang/dsc180a`
  - If you really cannot make it, email for appointment
- Will create a group on Piazza for questions in this section
- Might touch on some issues that are controversial
- Be open-minded and respectful for other's opinions

2/ A bit about me

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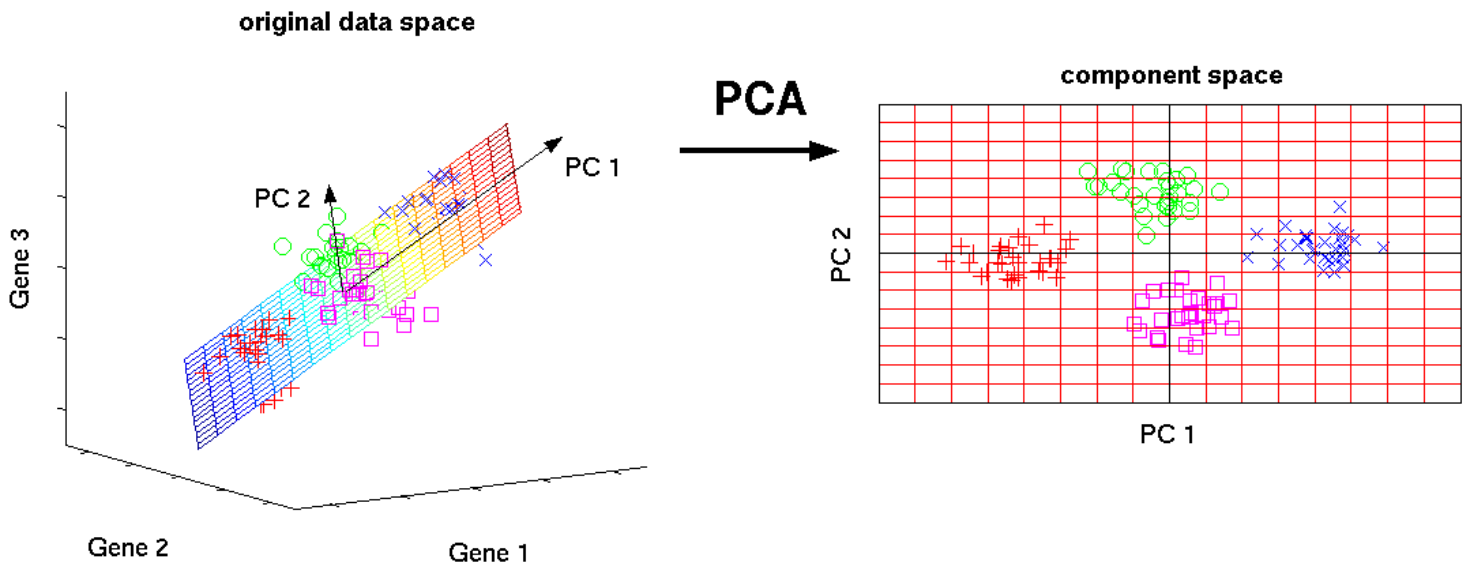
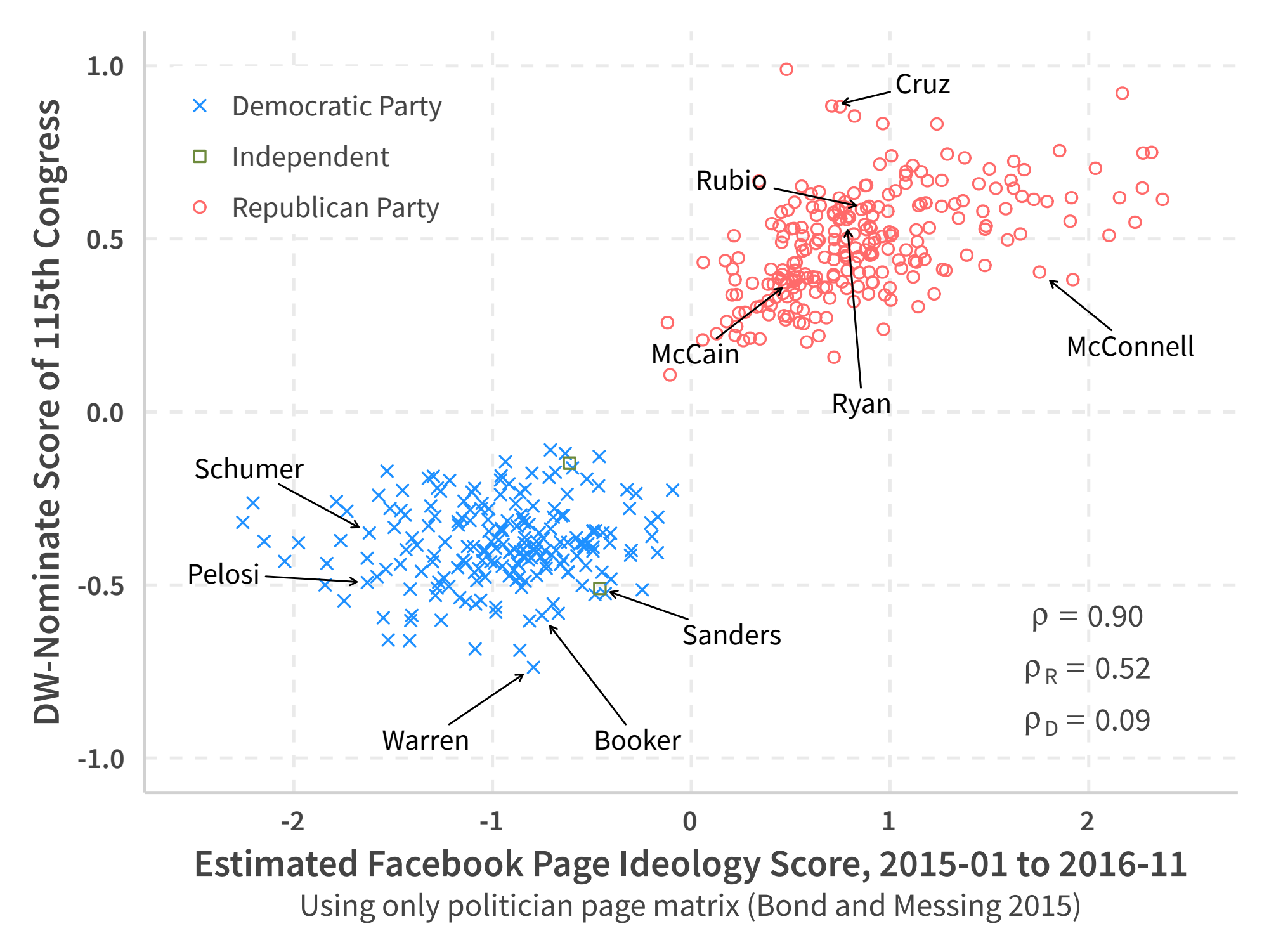
- Born and raised in Taipei, Taiwan
- Studied economics during undergrad
- 2nd year PhD student in political science
- Research interests
  - Computational social science
  - Political methodology
  - Causal inference

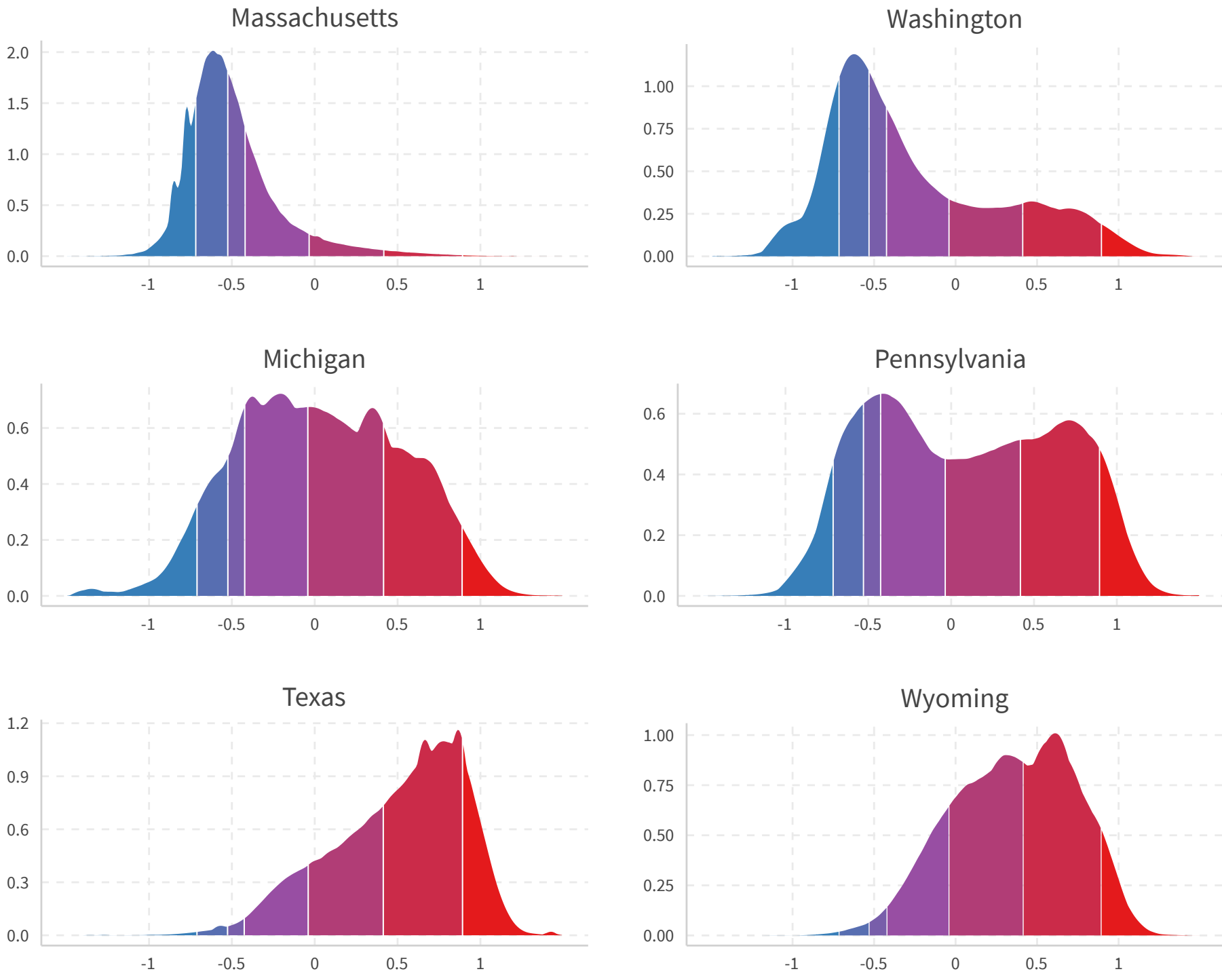
Some Past Research: Ideology on Facebook

- Data: 16 billion likes from 2K US fan pages in 2015-16
- Algorithm: SVD/PCA on shared user matrix

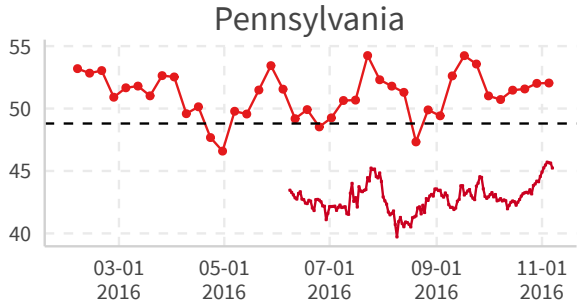


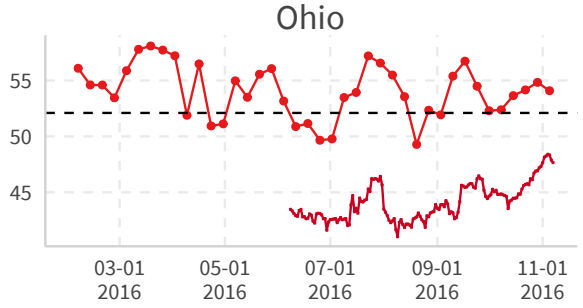
- Intuition: Pages share similar users should have similar ideology

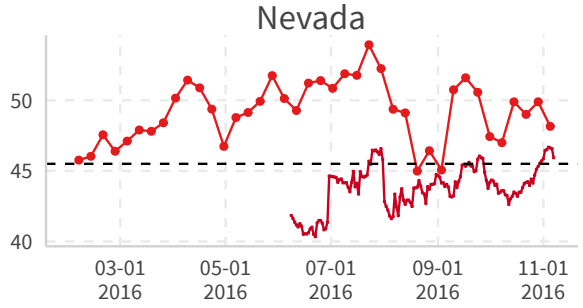

Democratic Party
Independent
Republican Party
Cruz
Rubio
McCain
Ryan
McConnell
Schumer
Pelosi
Sanders
Warren
Booker
ρ = 0.90
ρ R = 0.52
ρ D = 0.09
DW-Nominate Score of 115th Congress
1.0
0.5
0.0
-0.5
-1.0
-2
-1
0
1
2
Estimated Facebook Page Ideology Score, 2015-01 to 2016-11
Using only politician page matrix (Bond and Messing 2015)

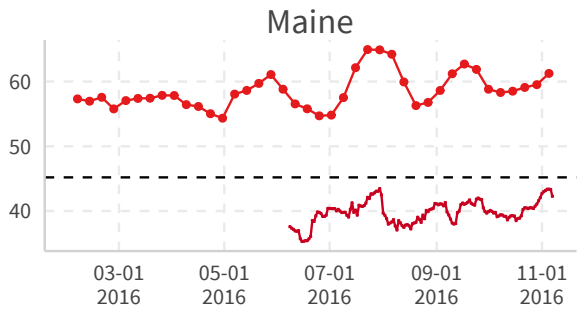

Massachusetts
2.0
1.5
1.0
0.5
0.0
-1
-0.5
0
0.5
1
Washington
1.00
0.75
0.50
0.25
0.00
-1
-0.5
0
0.5
1
Michigan
0.6
0.4
0.2
0.0
-1
-0.5
0
0.5
1
Pennsylvania
0.6
0.4
0.2
0.0
-1
-0.5
0
0.5
1
Texas
1.2
0.9
0.6
0.3
0.0
-1
-0.5
0
0.5
1
Wyoming
1.00
0.75
0.50
0.25
0.00
-1
-0.5
0
0.5
1

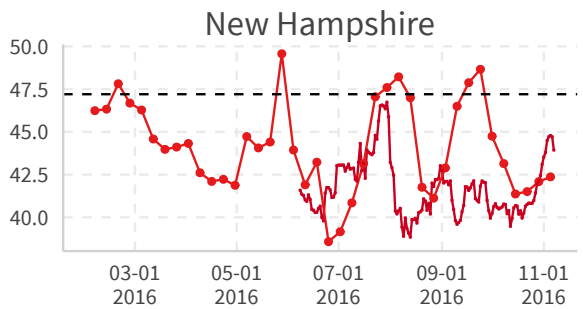
FB Support Share Trends with Polls

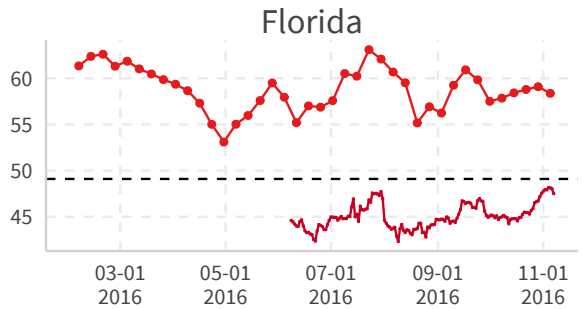


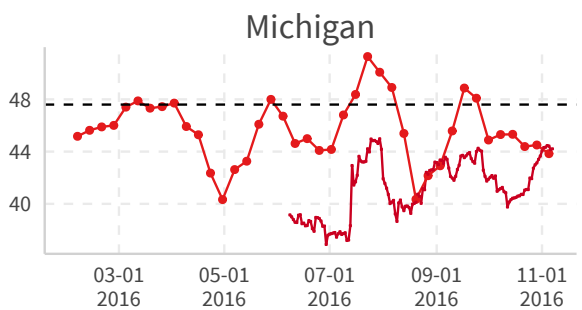


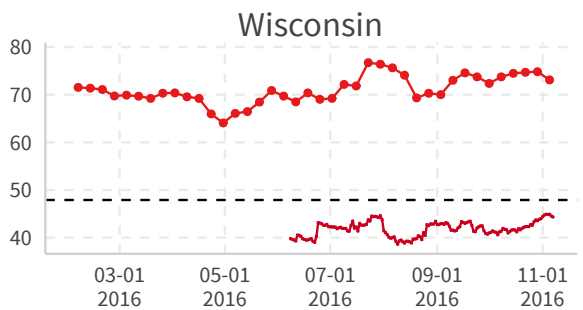


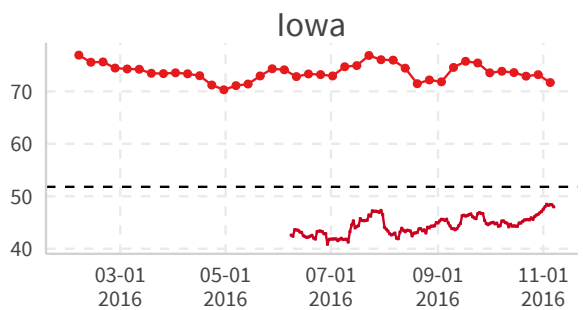












3/ A bit about you

4/ Discussions

Go to `www.menti.com` and enter code `16 73 65`

- Democracy's Dilemma
- Mark Zuckerberg's speech
- Wikimedia data archives