

Dashboards are First Class Publications

Dr. Jason Jeffrey Jones

<https://jasonjones.ninja/>

Dessert first

Jones, J. J. (2026). *Support for AI Development - Automated Daily Measurement with Open Data and Code* (arXiv:2412.05163).
arXiv. <https://doi.org/10.48550/arXiv.2412.05163>

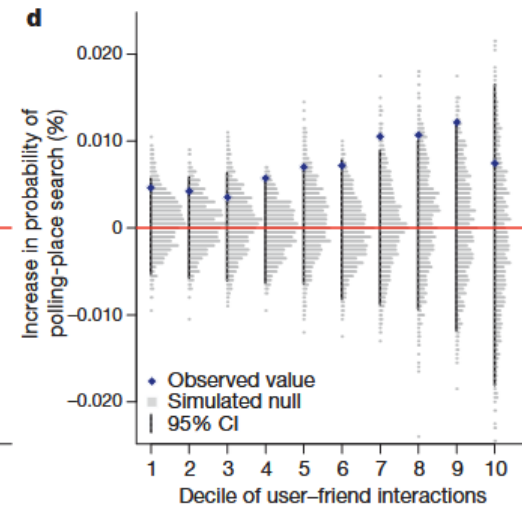
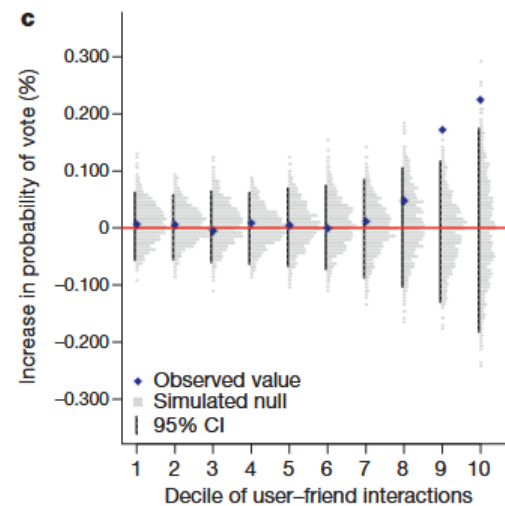
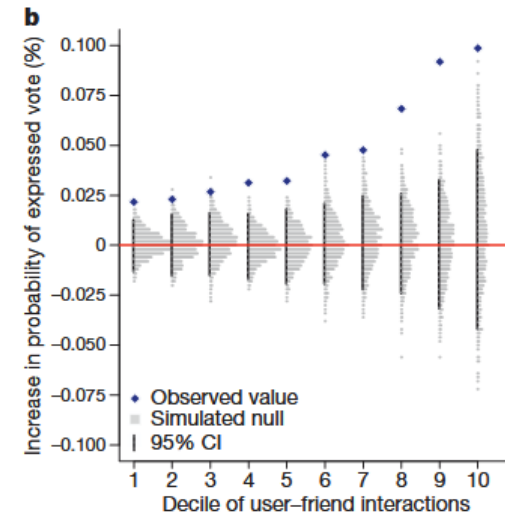
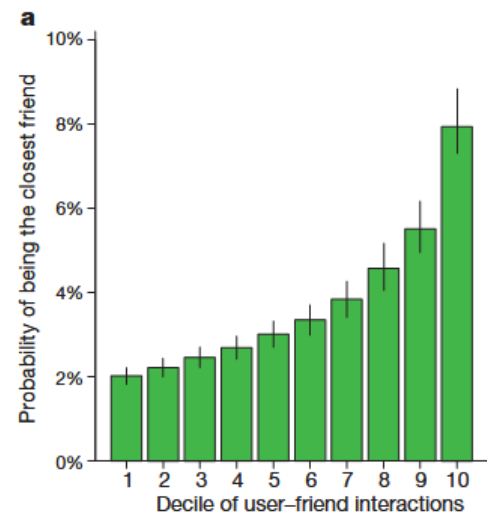
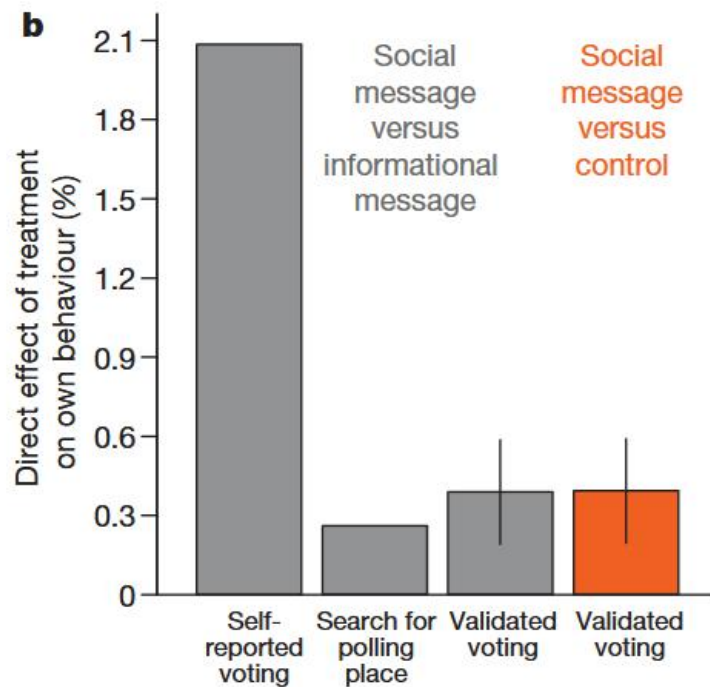
- Dashboards >> PDFs
- You can build your own social science dashboard!
 - [Social Science Dashboard Inator](#)
- You can collaboratively steer daily omnibus surveys!
 - [Join the Ryerson Project](#)
- Over time, support for further development of AI decreased.
- Political polarization on AI support emerged.
 - Time x Party crossover interaction
- Greater AI support associated with
 - Higher generalized trust
 - Higher risk willingness
 - Male
 - Older
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Well, how did we get here?



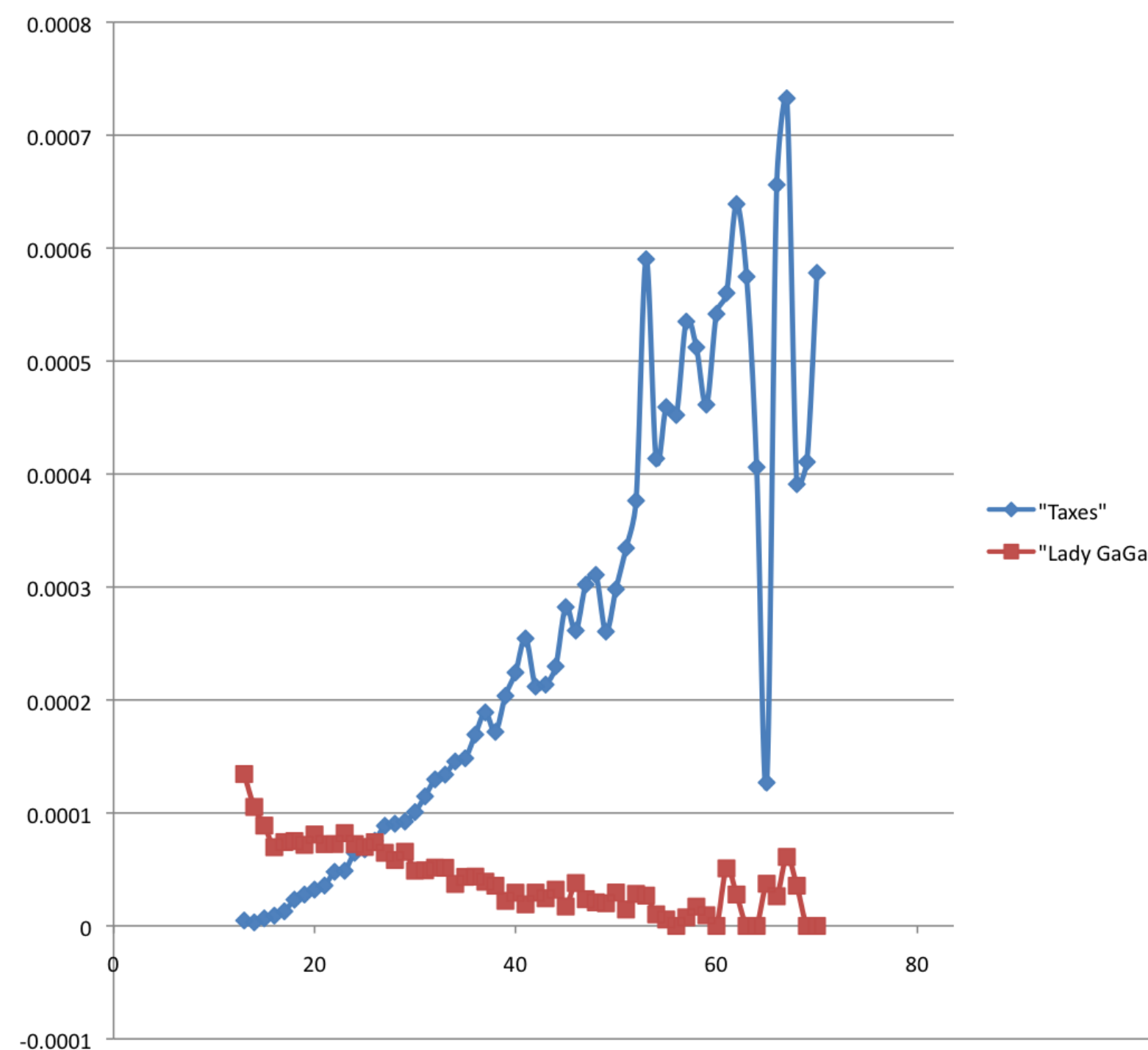
A 61-million-person experiment in social influence and political mobilization

Robert M. Bond¹, Christopher J. Fariss¹, Jason J. Jones², Adam D. I. Kramer³, Cameron Marlow³, Jaime E. Settle¹ & James H. Fowler^{1,4}



Lady Gaga Mindshare versus *Taxes* Mindshare by Age on November 5, 2010

Based on prevalence in users'
Facebook status messages



Output Table	Query Info	Query
vote12_first_exposure_final datascience 15,060,695 rows 289.2MB	Reload Query 1934283 View Debug Log January 21 at 4:32pm Time Taken: 114 min Cost: 1398 min	<pre>CREATE TABLE vote12_first_exposure_final TBLPROPERTIES('RETENTION'='-1', 'WEEKLY_GROWTH_RATE'='0') AS SELECT a.*, b.p_show_friend AS p_assigned FROM vote12_first_exposure_step3 a LEFT OUTER JOIN vote12_assignment b ON a.userid = b.userid</pre>

- A big data workflow
 - Python scripts manipulate data with SQL queries
 - **SQL** runs within Apache Hive
 - Apache Hive is a distributed database system
 - Apache Hive runs on top of Apache Hadoop
 - Hadoop is a Map-Reduce framework for parallelizing tasks over massive data sets

Yoink #1





Jason J. Jones

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Computational social scientist at Stony Brook University. I solve the world's problems by data-mining Facebook and Twitter.

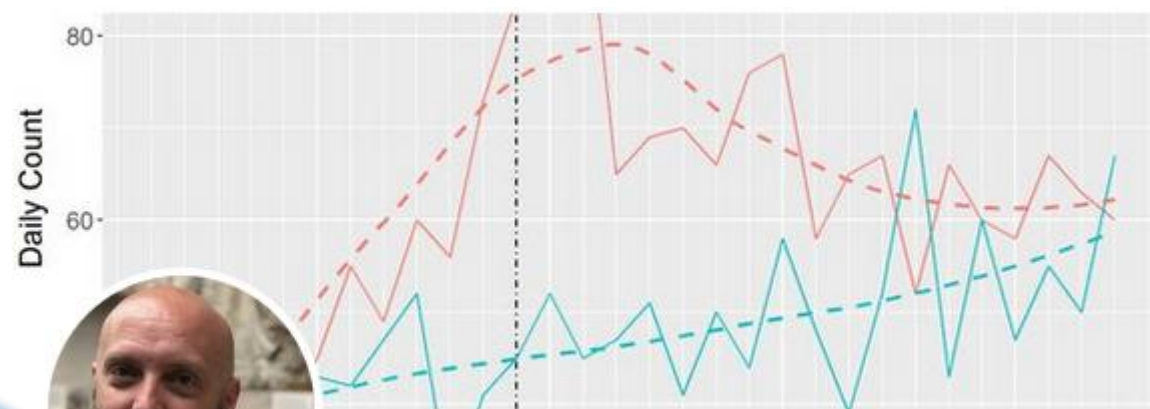


Jason Jeffrey Jones

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Computational social scientist. I study the human condition with online experiments, surveys and data mining. @jasonjones@nerdculture.de

📍 Stony Brook, NY 🔗 jasonjones.ninja



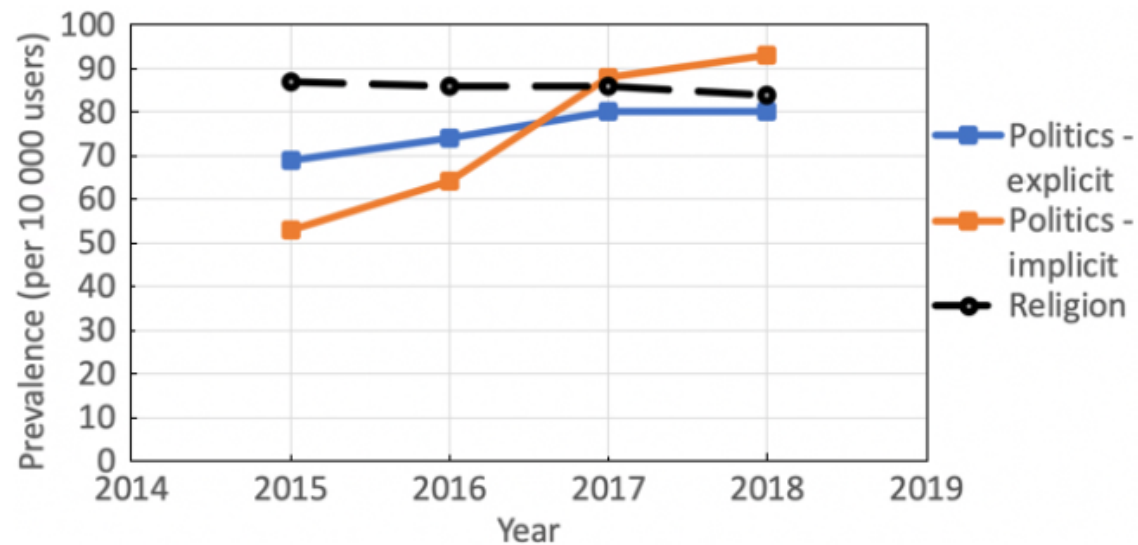
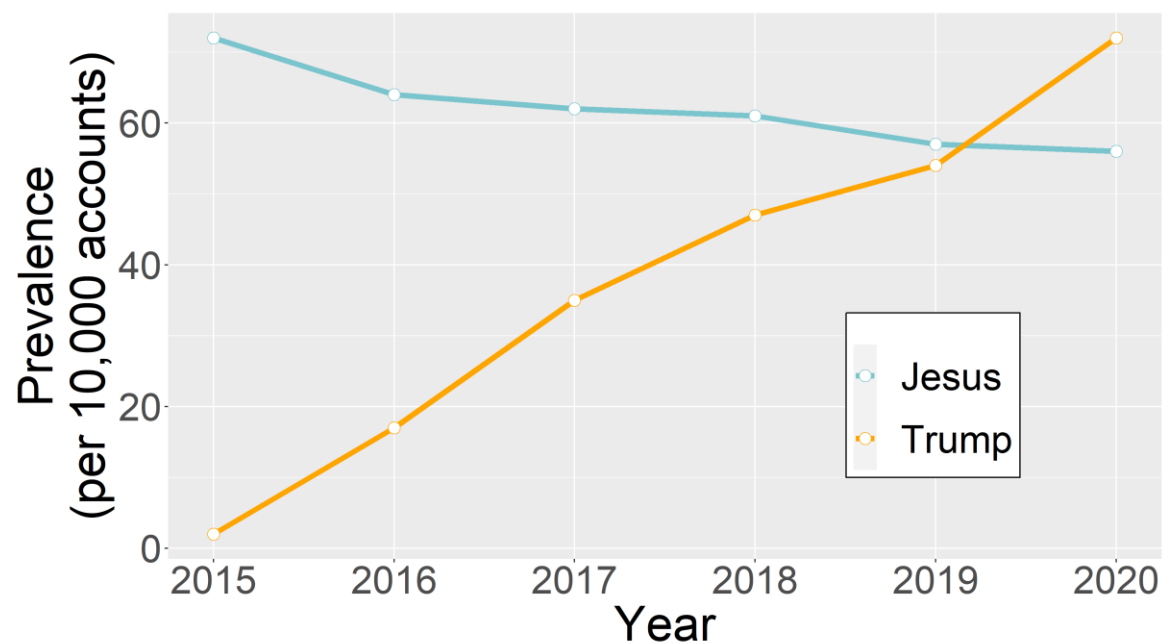


Fig. 3 Prevalence of bio keywords categories, by year—longitudinal sample.

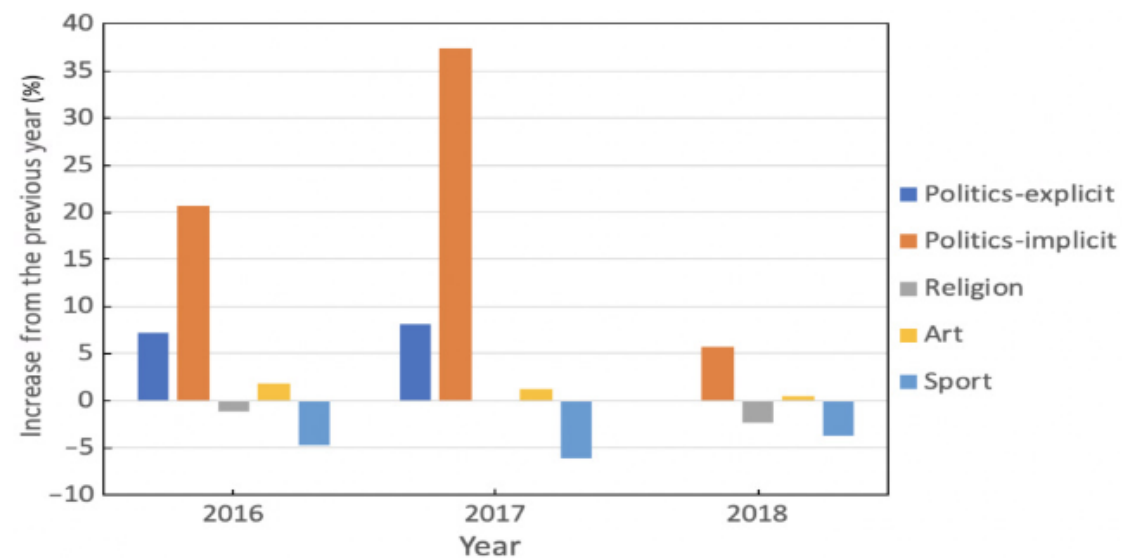


Fig. 4 Growth rate of bio keywords categories, by year—longitudinal sample.

A dataset for the study of identity at scale: Annual Prevalence of American Twitter Users with specified Token in their Profile Bio 2015–2020

Jason Jeffrey Jones 

Published: November 18, 2021 • <https://doi.org/10.1371/journal.pone.0260185>

Article	Authors	Metrics	Comments	Media Coverage	Peer Review
					

8 Save	11 Citation
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Abstract

Personally expressed identity is who or what an individual themselves says they are, and it should be studied at scale. At scale means with data on millions of individuals, which is newly available and comes timestamped and geocoded. This work introduces a dataset for the study of identity at scale and describes the method for collecting and aggregating such data. Further, tools and theory for working with the data are presented. A demonstration analysis provides evidence that personal, individual development and changing cultural norms can be observed with these data and methods.

Jason Jeffrey Jones Identity Trends V2

Join the ipseology revolution.

Explore how Americans are describing themselves online. Search for a word, and you will see the prevalence of American Twitter users who choose to include that word in their profile bio. And you'll see the trend over time from 2012–2023. [Read more](#) or dive in.

Search words, phrases or emojis:

vlogger,youtuber,streamer,🚫,opinions are my

Separate search terms by commas. For phrases, always use one space between words.

Search

Uninspired today? Try:

- [mother, father, mom, dad](#)
- [she / her, he / him, they / them](#)
- [fan, lover, enthusiast, sports fan, music lover, crypto enthusiast](#)
- [🇧🇷, ❤️, 🧠, 🧑, 🇮🇹, 🇺🇸, 🇧🇪, 🐶](#)

Human Identities across Nations of the Earth, Ngram Investigator (HINENI)

A global ipseology tool.

Explore how individuals described themselves online. Search for a word, phrase or emoji. You'll see the relative popularity of that word, phrase or emoji in Twitter profile biographies. And you'll see the trend over time from 2012-2023. [Read more](#) or search below.

Search words, phrases or emojis:

podcast, ❤️, my own

Separate search terms by commas. For phrases, always use one space between words.

English [select all](#)

- ☐ 🇦🇺 Australia
- ☐ 🇨🇦 Canada
- ☐ 🇳🇮 Nigeria
- ☐ 🇿🇦 South Africa
- ☐ 🇬🇧 United Kingdom
- ☐ 🇺🇸 United States

Spanish [select all](#)

- ☐ 🇦🇷 Argentina
- ☐ 🇨🇱 Chile
- ☐ 🇨🇴 Colombia
- ☐ 🇲🇽 Mexico
- ☐ 🇵🇪 Peru
- ☐ 🇪🇸 Spain
- ☐ 🇻🇪 Venezuela

Portuguese

- ☐ 🇧🇷 Brazil
 - ☐ 🇵🇹 Portugal
- Arabic
- ☐ 🇪🇬 Egypt
 - ☐ 🇸🇦 Saudi Arabia

- ☐ 🇫🇷 France
- ☐ 🇩🇪 Germany
- ☐ 🇮🇳 India
- ☐ 🇮🇩 Indonesia
- ☐ 🇮🇹 Italy
- ☐ 🇯🇵 Japan
- ☐ 🇲🇾 Malaysia
- ☐ 🇳🇱 Netherlands

- ☐ 🇵🇰 Pakistan
- ☐ 🇵🇭 Philippines
- ☐ 🇷🇺 Russia
- ☐ 🇰🇷 South Korea
- ☐ 🇹🇼 Taiwan
- ☐ 🇹🇭 Thailand
- ☐ 🇹🇷 Turkey

Search

Like to see examples? Try:

- 🇮🇳🇵🇰 in India and Pakistan
- mom and mum in Australia, Canada, United Kingdom, and United States
- soñador in Spanish-speaking nations

Yoink #1



Yoink #2



Whither Computational Social Science in the Post-API Age?

- Read my manifestos:
 - [Dashboard Scientist](#) (2023)
 - [Live Data](#) (2024)
 - [Researcher Independence](#) (2025)

Whither Computational Social Science in the Post-API Age?

- Read my manifestos:
 - [Dashboard Scientist](#) (2023)
 - [Live Data](#) (2024)
 - [Researcher Independence](#) (2025)
- Own your data.
- Own your outputs.
- Own your time.
- Make dashboards!

Social Science Dashboard Inator

Social science should be built on persistent, consistent measurement. Data collection and analysis should be transparent processes. The Social Science Dashboard Inator integrates these principles, with the added benefits of standardization and automation.



Persistent

Continuous measurement instead of one-off studies.



Consistent

A single operationalization with repeated measurement.



Transparent

Shared microdata, downloadable analysis scripts.



Standardized

One file, standard column structure.



Automated

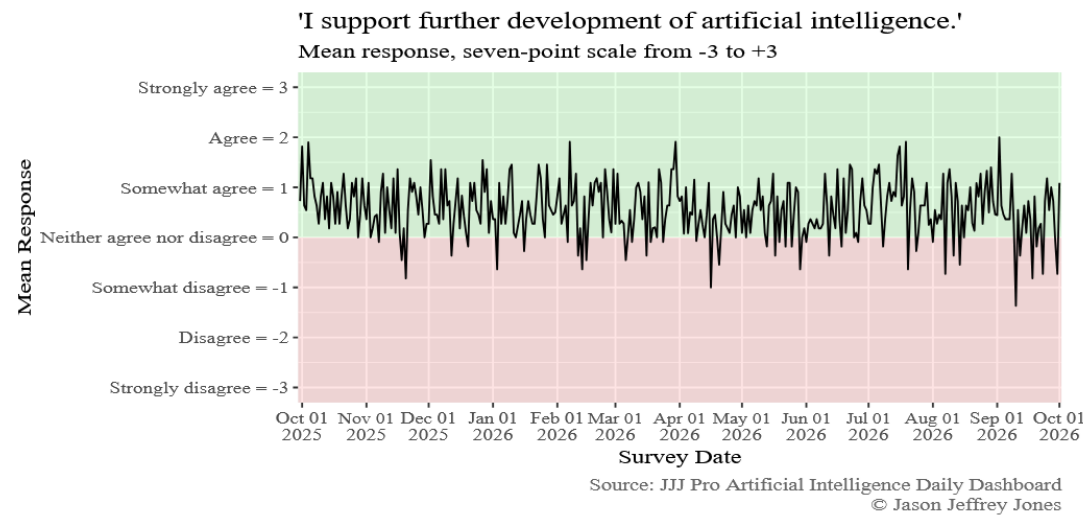
Easy setup. New data arrives in your email inbox every day. Analysis scripts re-run while you sleep.

Open source code repo:

<https://github.com/jasonjeffreyjones/>

Dessert again

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2 Social Science Dashboard Inator: A System to Collect, Distribute and Present Nowcasted Public Opinion

The Social Science Dashboard Inator (SSDI)¹, is a free and open source system that automates this process:

1. From a large pool of potential survey respondents, choose a small random set and distribute a short survey to them.
2. Download survey responses, match these to known demographics of respondents and publish an anonymized, structured microdata file to a public data repository.
3. Update a web dashboard that summarizes results and tests hypotheses.

Table 1. One-time setup and daily automated loop.

(a) Setup: one-time, manual

Step	Task	Tool
1	Compose survey	Qualtrics XM
2	Recruit respondents	Prolific API, Python
3	Modify analysis code	R
4	Modify templates	HTML, CSS
5	Set up web server	Institution or AWS
6	Upload files	SFTP
7	Set up daily jobs	cron, command line

(b) Loop: daily, automated

Step	Event
1	New respondents recruited
2	New data collected
3	Cumulative file updated
4	Analyses performed
5	Web dashboard updated

2.1 Technical Specifications

Table 1b illustrates the daily, looping, automated process. Each day, new data is collected, wrangled, analyzed and publicly distributed. Importantly, this process is completely automated. A short series of open-source scripts (R and Python) perform each step in sequence. The scripts are triggered by cron jobs and log their progress. There is no manual process; daily data collection and analysis proceeds autonomously.

12:29

How much do you agree with the following statement:
I support further development of artificial intelligence.

Strongly agree

Agree

Somewhat agree

Neither agree nor disagree

Somewhat disagree

Disagree

Strongly disagree

(Optional) Write 1 to 3 sentences explaining why.

12:29

In politics today, do you consider yourself a Republican, Democrat, an independent or something else?

Republican

Democrat

independent

something else

→

Powered by Qualtrics

12:29

Generally speaking, would you say that most people can be trusted or that you can't be too careful in dealing with people?

You can't be too careful in dealing with people.

Most people can be trusted.

How do you see yourself: are you generally a person who is fully prepared to take risks or do you try to avoid taking risks?
Please choose a number, where the value 0 means: 'not at all willing to take risks' and the value 10 means: 'very willing to take risks'.

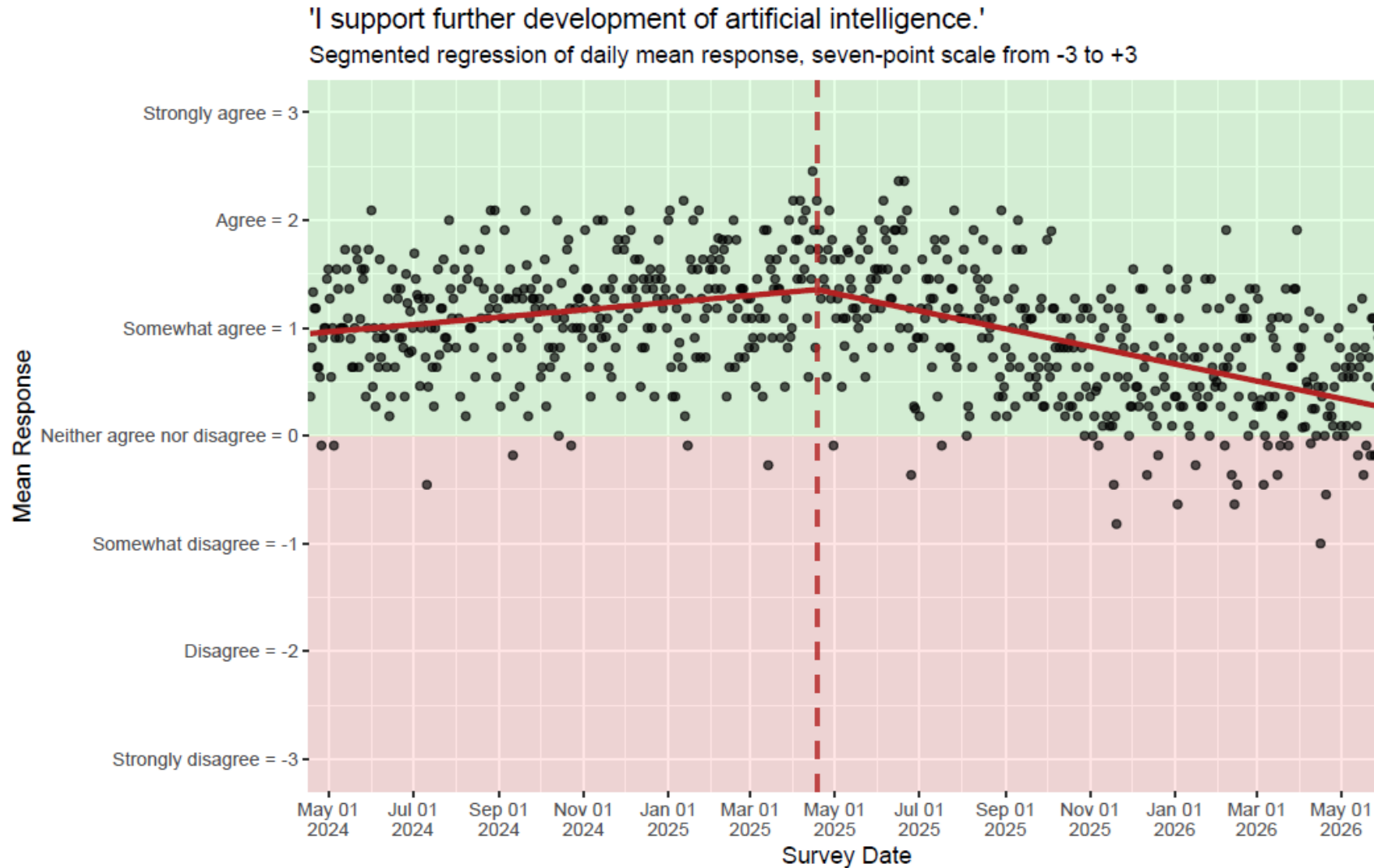
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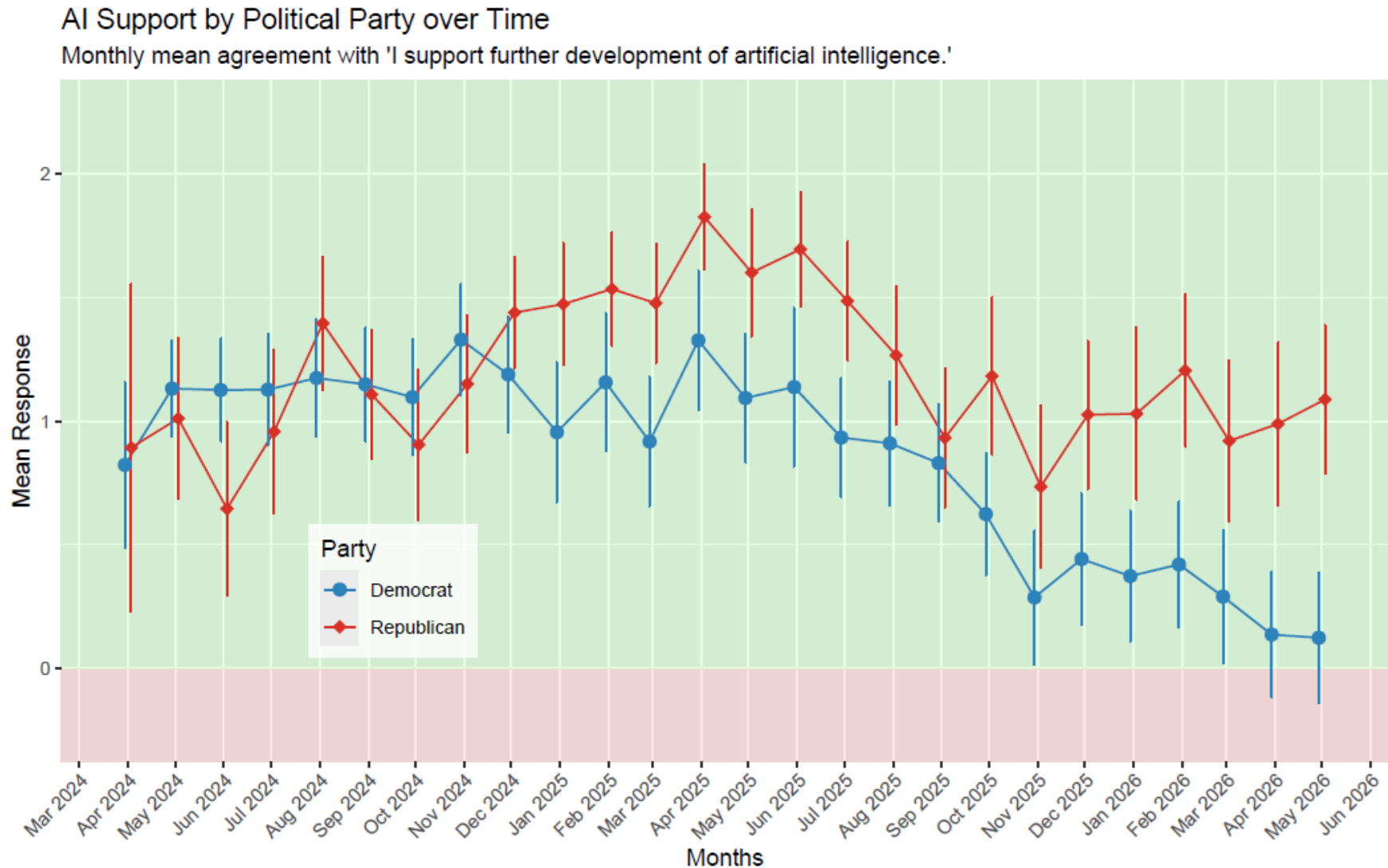
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Powered by Qualtrics

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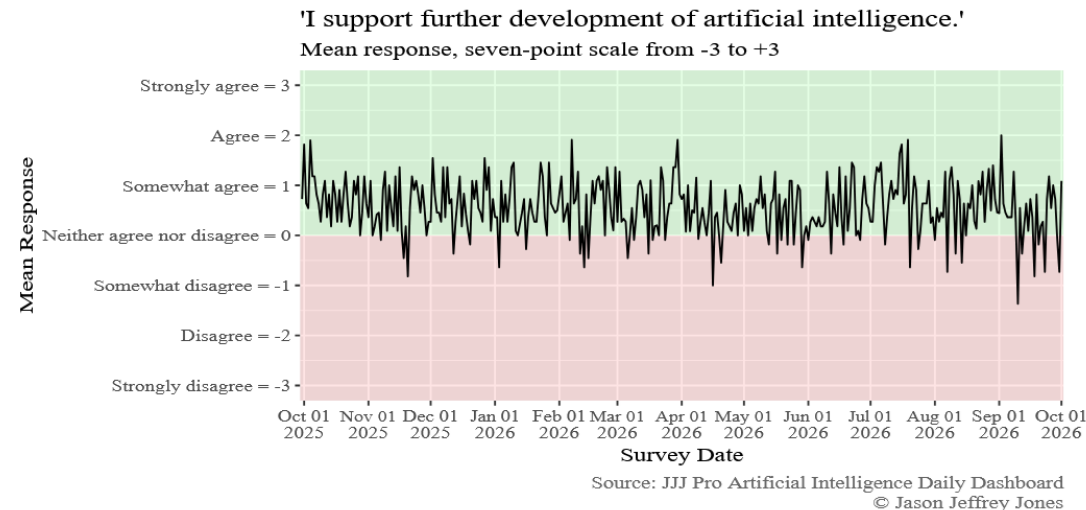


AI Support correlated with Risk Willingness



Click for Daily Results 2024 through Yesterday

- <https://jasonjones.ninja/social-science-dashboard-inator/jjpp-ai-daily-dashboard/>





One more thing...

Please join the Ryerson Project!

- The aim of the Ryerson Project is to **Nowcast Everything Daily.**

- <https://jasonjones.ninja/social-science-dashboard-inator/ryerson-project/>

- Daily omnibus survey
- A few dozen items
- Hundreds of American adult respondents monthly
- The Ryerson community of researchers will collaboratively compose and prioritize items for the daily omnibus survey.

Final Desserts

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