

Digital Culture

Social networks, digital identity and digital public spaces

Social Networks, Society, Democracy

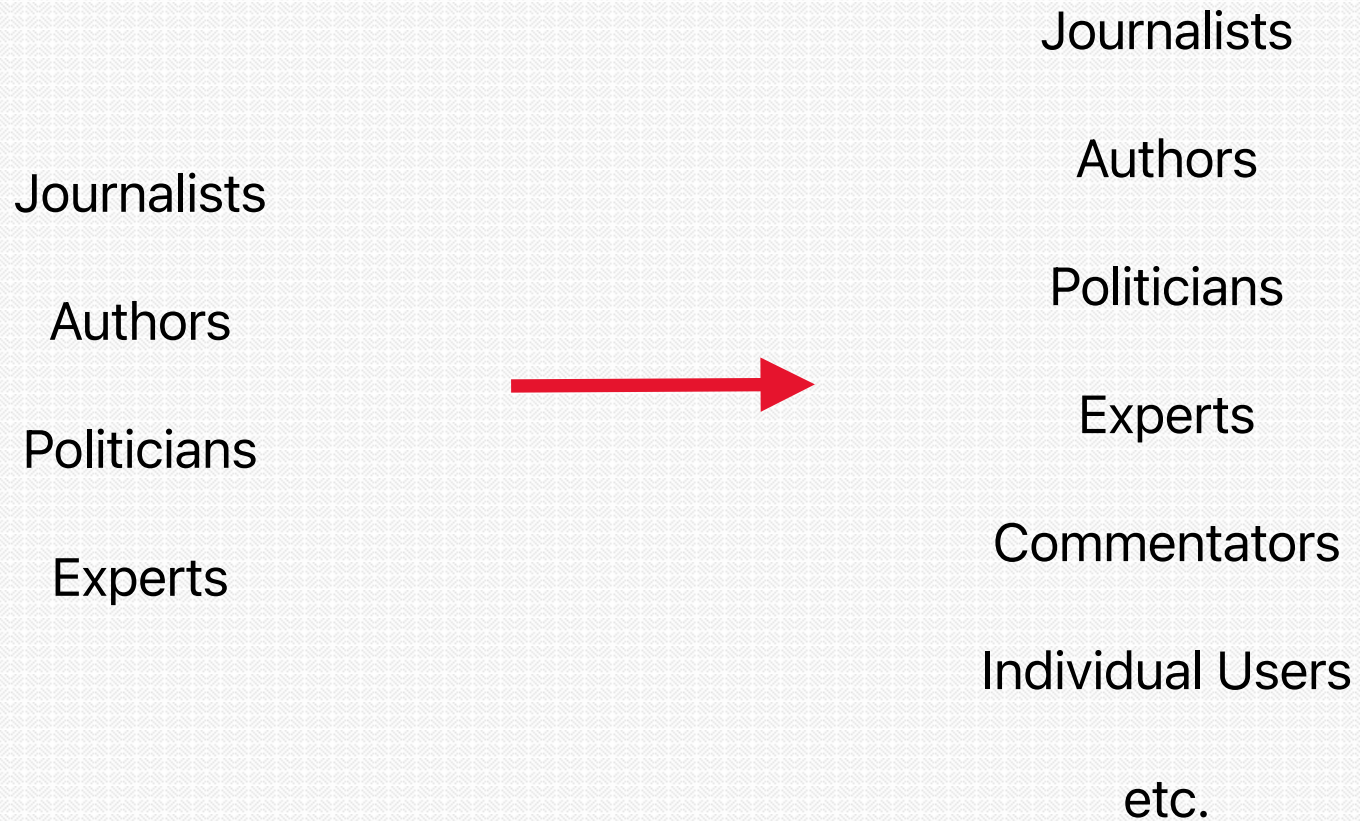
The Digital Public Space

Definition of Public Space

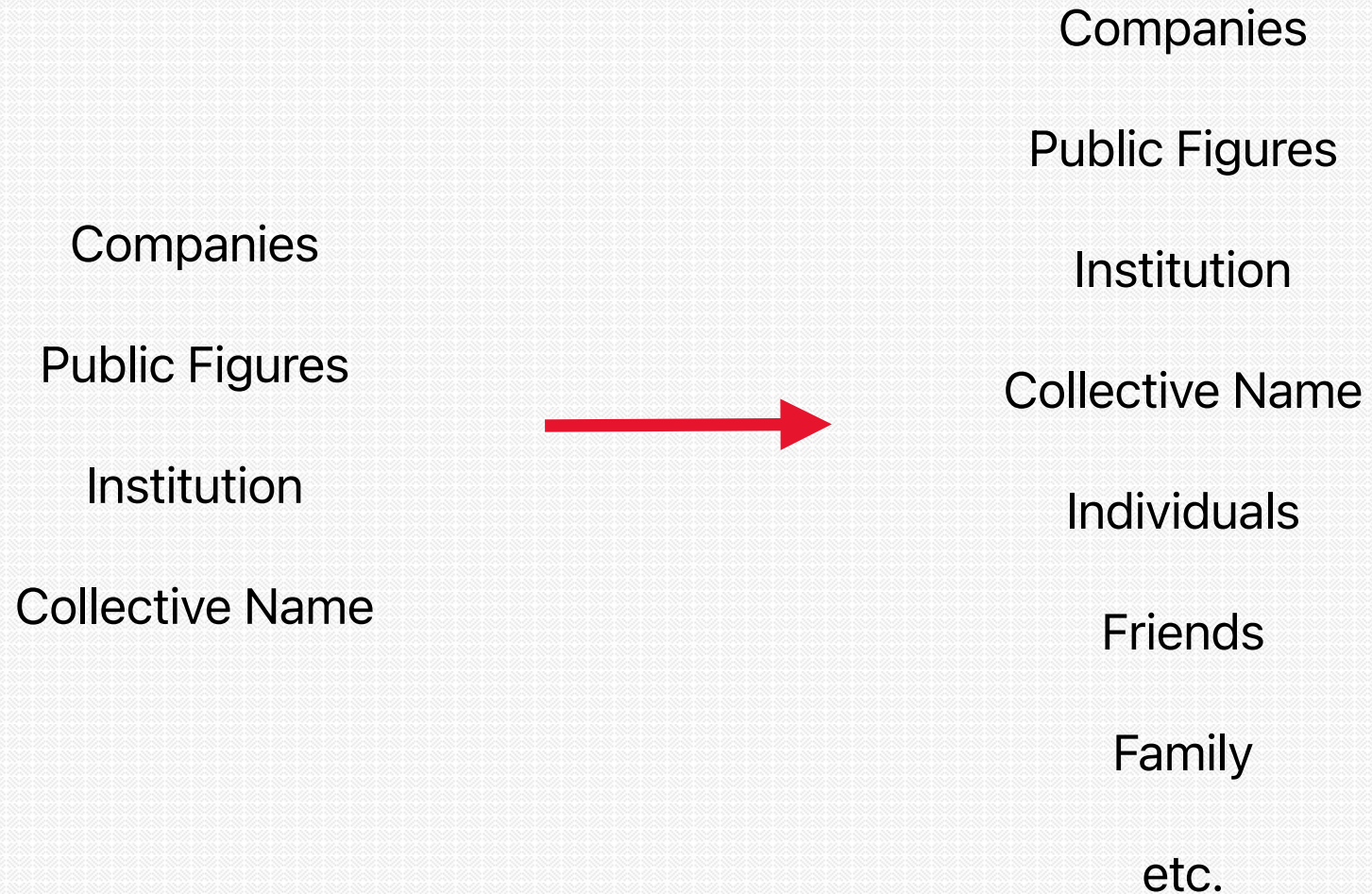
In the most simple terms, a public space can be defined by:

- a speaker
- a subject of discourse, e.g. a public figure, a company, etc.
- an audience

The Speaker



The Subject of Discourse



Four Configurations of Public Space

Four Configurations of Public Space

Traditional Press

- written by professionals
- used to comment on or criticise the activities of public figures

Four Configurations of Public Space

Traditional Press

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Mass Press

- written by professionals
- used to tell the news and comment on the life of *ordinary* people

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TRADITIONAL
CONFIGURATIONS

Four Configurations of Public Space

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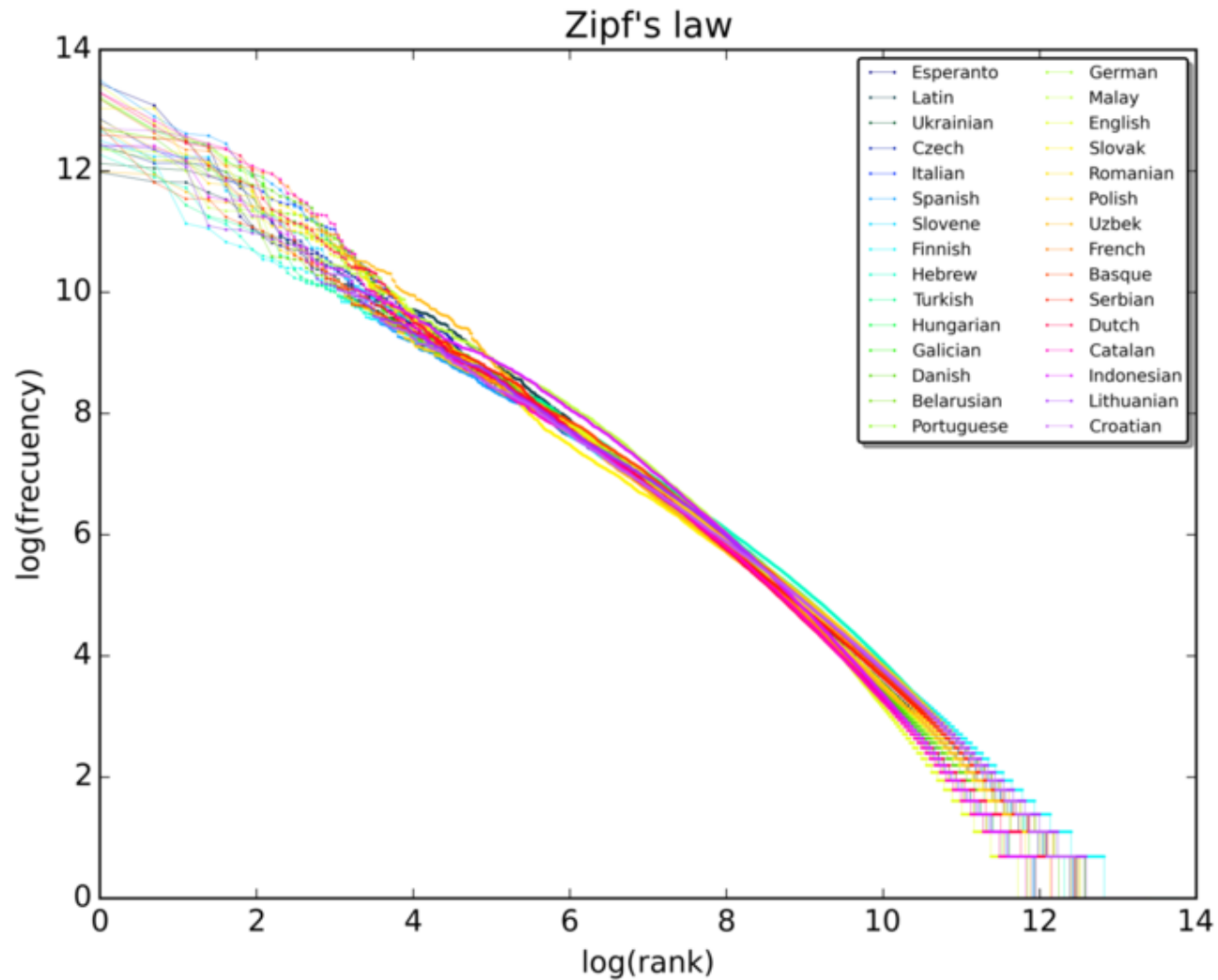
Individual Users' Opinions

- written by Internet users
- used to comment or criticise the activities of public figures, news, etc.

TRADITIONAL
CONFIGURATIONS

DIGITAL
CONFIGURATIONS

Zipf's Law



Four Configurations of Public Space

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TRADITIONAL
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Public Conversations

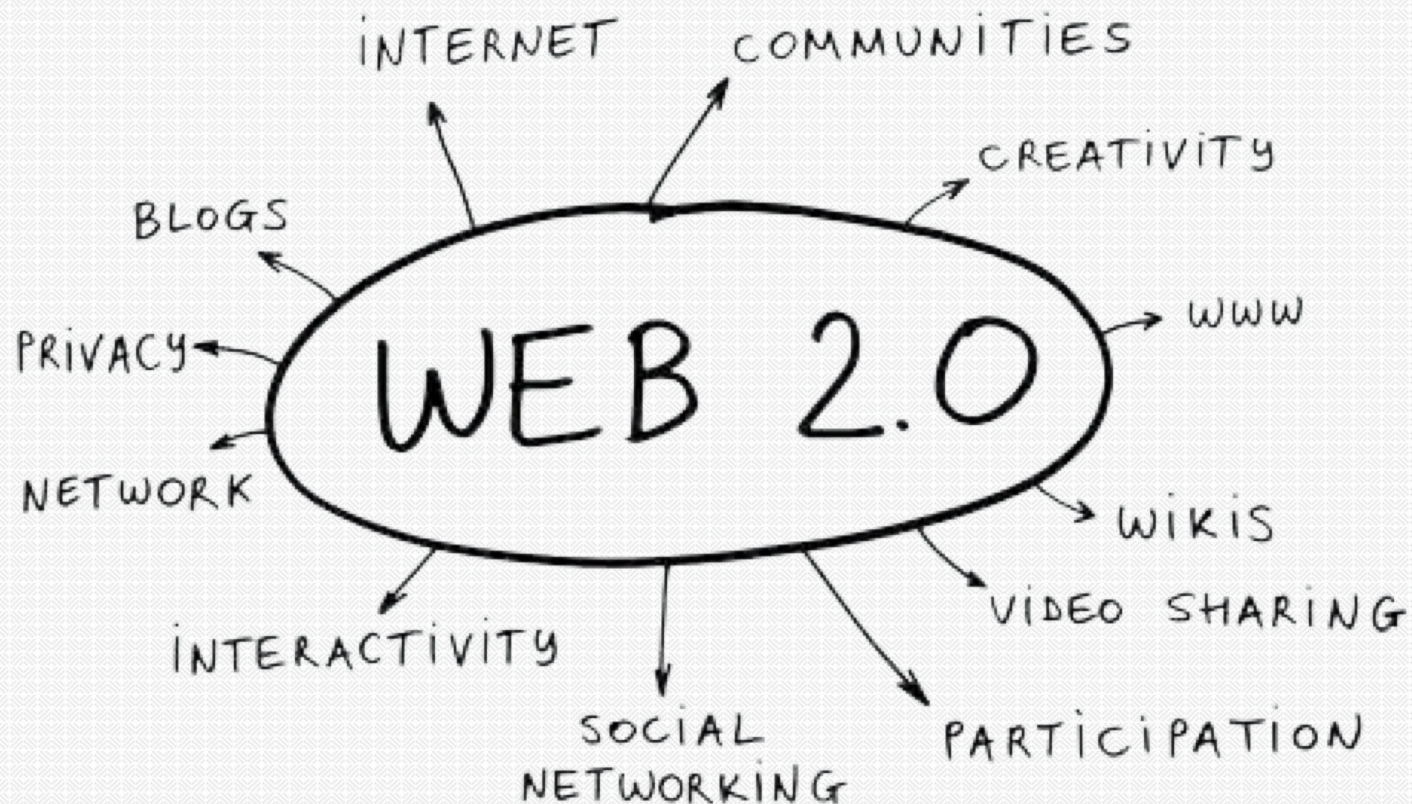
- written by Internet users
- used to talk about other individual Internet users

TRADITIONAL
CONFIGURATIONS

DIGITAL
CONFIGURATIONS

A Typology of Social Networks

The "Web 2.0"



Characteristics of Social Networks

Social Networks are sites where users:

- have a personal page
- can interact with other users

Social Network Sites: Definition, History, and Scholarship

danah m. boyd

School of Information
University of California-Berkeley

Nicole B. Ellison

Department of Telecommunication, Information Studies, and Media
Michigan State University

Question

What different types of social networks are there?

Two Tension Points

First Tension Point

- Social Networks allow us to have multiple identities
- Our identity online varies along multiple dimensions

Erving Goffman

Sociologist

The Presentation of Life in Everyday Life

1956



Two Tension Points

First Tension Point

- Social networks allow us to create and play with multiple identities
- Our identity online varies along multiple dimensions

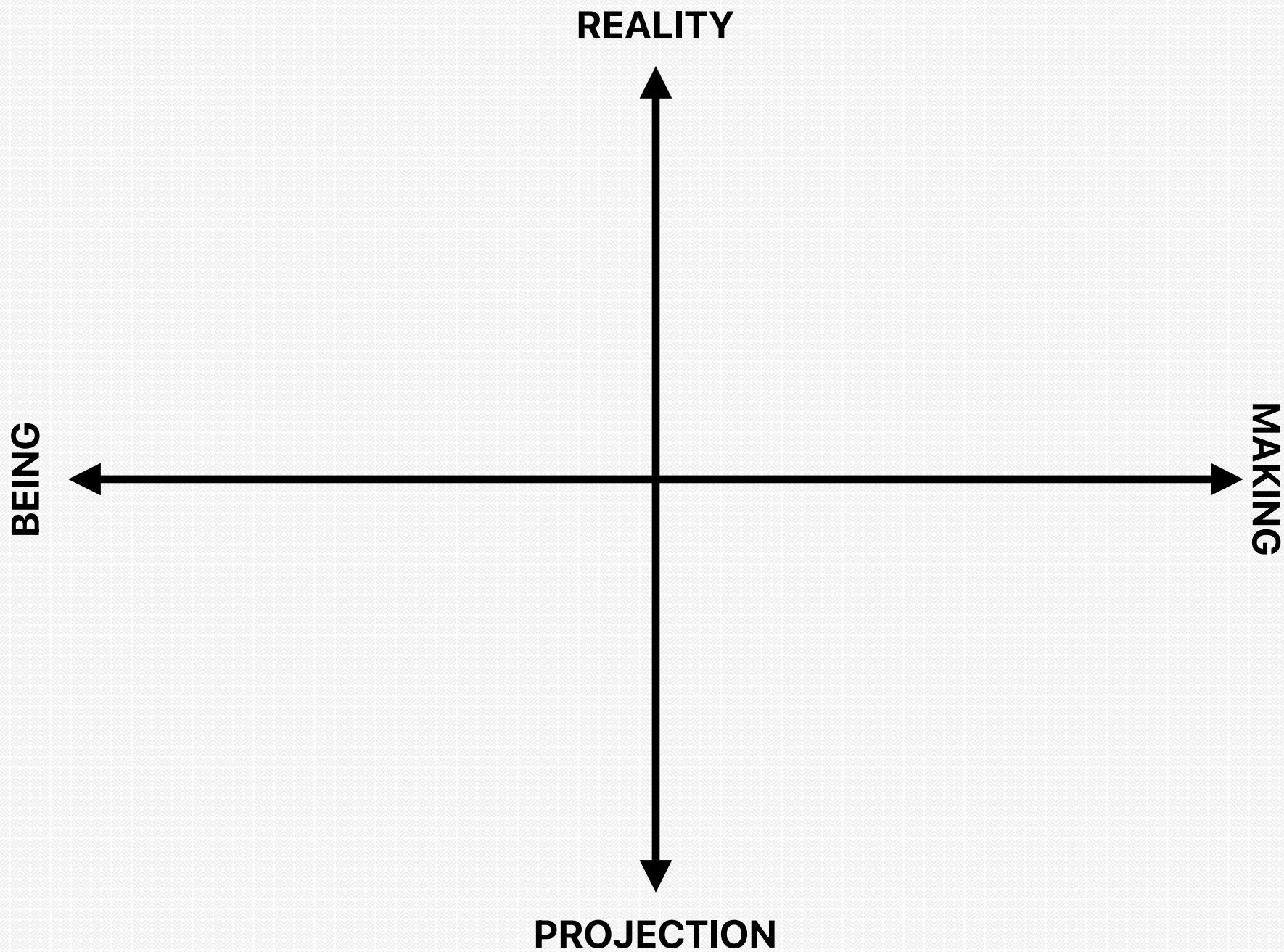
Second Tension Point

- Social networks allow us to open or close interactions
- There is some control over who sees and who does not see

BEING



MAKING



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

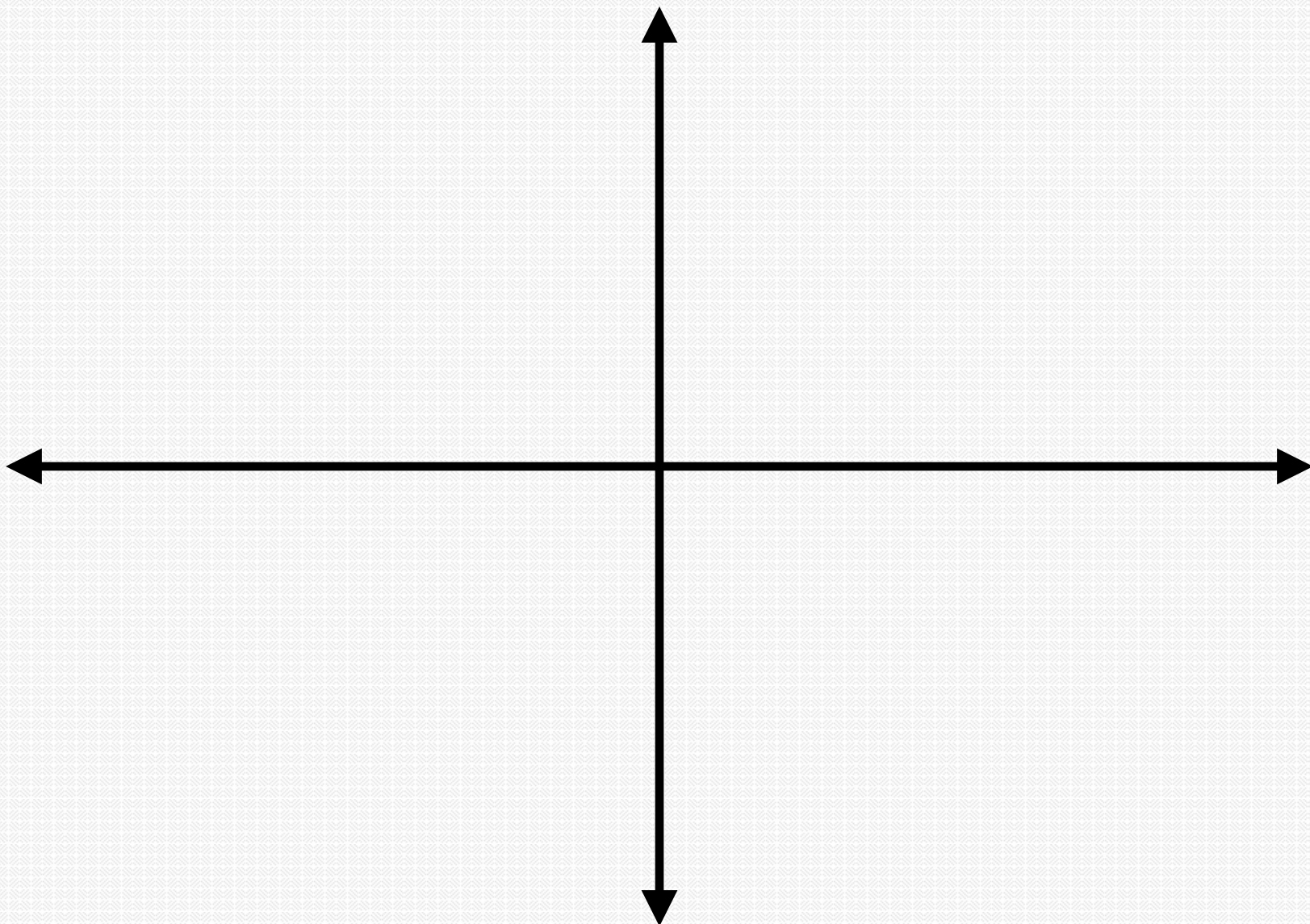
BEING

MAKING

NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

GENDER

AGE

EDUCATION

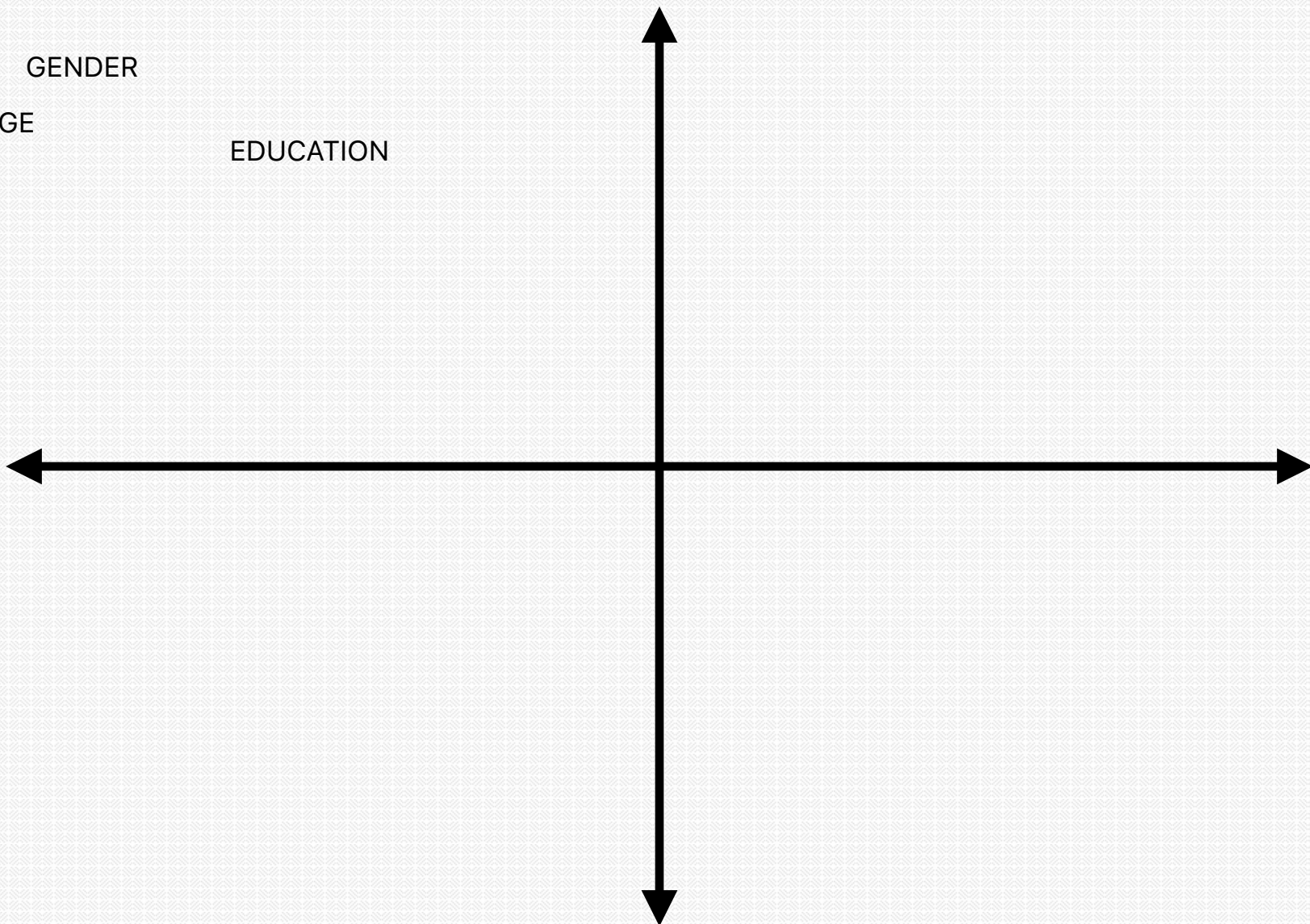
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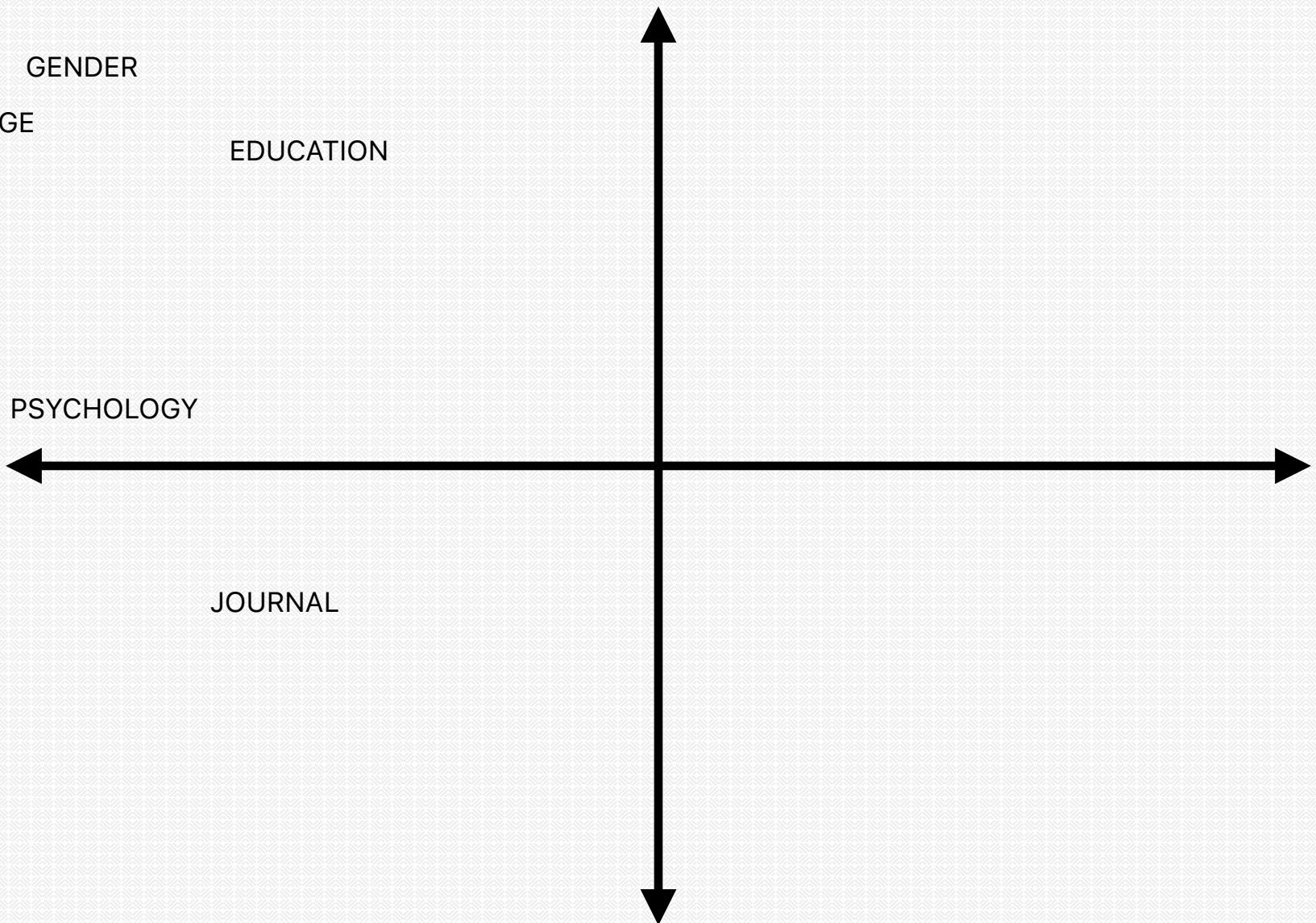
MAKING

JOURNAL

NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

GENDER

AGE

EDUCATION

PHOTOGRAPH

PSYCHOLOGY

BEING

MAKING

DAILY-LIFE PHOTOGRAPH

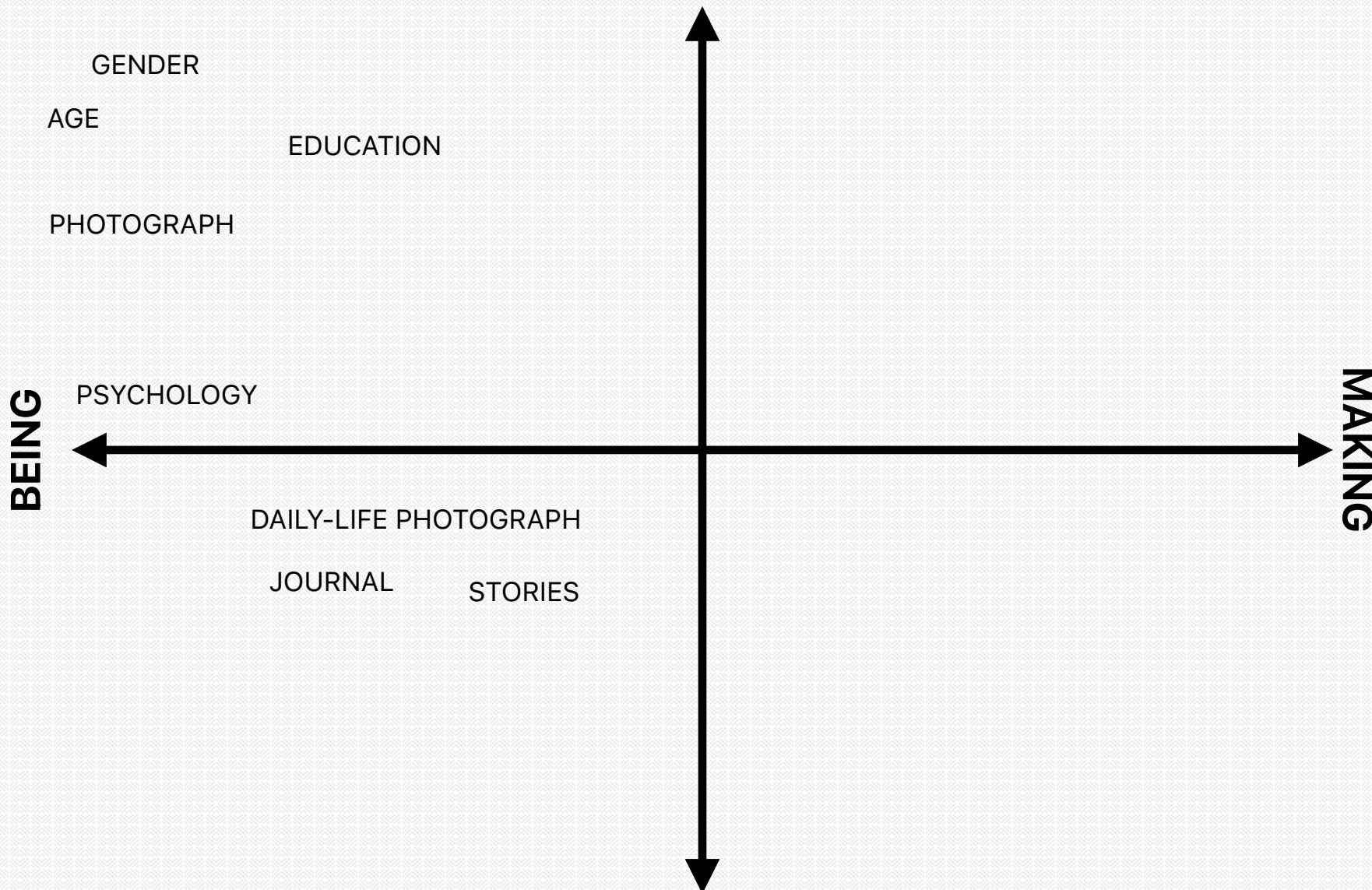
JOURNAL

STORIES

NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

GENDER

AGE

EDUCATION

POLITICAL ORIENTATION

PROFESSIONAL NETWORK

PHOTOGRAPH

PASSIONS

BEING

PSYCHOLOGY

MAKING

DAILY-LIFE PHOTOGRAPH

JOURNAL

STORIES

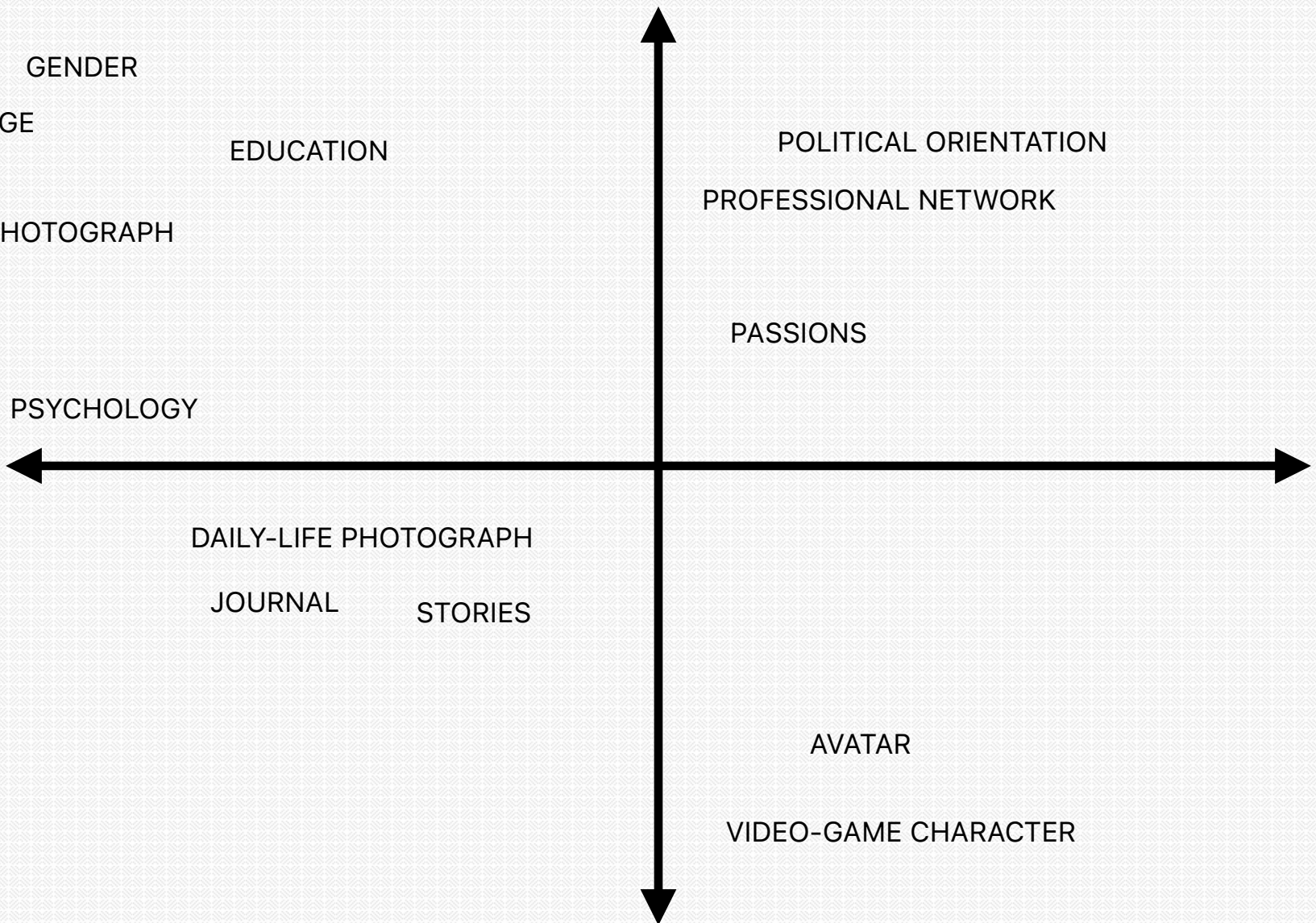
AVATAR

VIDEO-GAME CHARACTER

NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

BEING

MAKING

NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY

Diagram illustrating the relationship between Civil Identity, Active Identity, Narrative Identity, and Virtual Identity, structured around the axes of Reality/Projection and Being/Making.

Top-Left Quadrant (Civil Identity / Reality / Being):

- GENDER
- AGE
- HEIGHT
- RESIDENCE
- EDUCATION
- JOB
- PHOTOGRAPH
- HOBBIES
- MOOD
- FAMILY
- OFFLINE FRIENDS
- PSYCHOLOGY
- SURNAME
- DAILY-LIFE PHOTOGRAPH
- JOURNAL
- STORIES
- USERNAME
- INTROSPECTION
- FICTIONAL NAME

Top-Right Quadrant (Active Identity / Reality / Making):

- STATUS
- POLITICAL ORIENTATION
- PROFESSIONAL NETWORK
- SOCIAL ACTIVITIES
- PASSIONS
- HOBBY GROUPS
- ONLINE FRIENDS
- INTERACTION
- VIEW COUNT
- FAN FICTION
- HOME-MADE CONTENT
- FAKE NAME
- AVATAR
- VIDEO-GAME CHARACTER

CIVIL IDENTITY

REALITY

ACTIVE IDENTITY

BEING

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- RESIDENCE
- EDUCATION
- HOBBIES
- PHOTOGRAPH
- JOB
- AVAILABILITY
- MARITAL STATUS
- MOOD
- FAMILY
- PSYCHOLOGY
- OFFLINE FRIENDS

Top-Right Quadrant (Active Identity / Reality / Making):

- STATUS
- POLITICAL ORIENTATION
- PROFESSIONAL NETWORK
- SOCIAL ACTIVITIES
- PASSIONS
- HOBBY GROUPS
- TASTES
- ONLINE FRIENDS
- COMMUNITY INVOLVMENT

Bottom-Left Quadrant (Narrative Identity / Projection / Being):

- SURNAME
- DAILY-LIFE PHOTOGRAPH
- JOURNAL
- HIDDEN-SELF
- STORIES
- ALIAS
- USERNAME
- FICTIONAL NAME
- INTROSPECTION

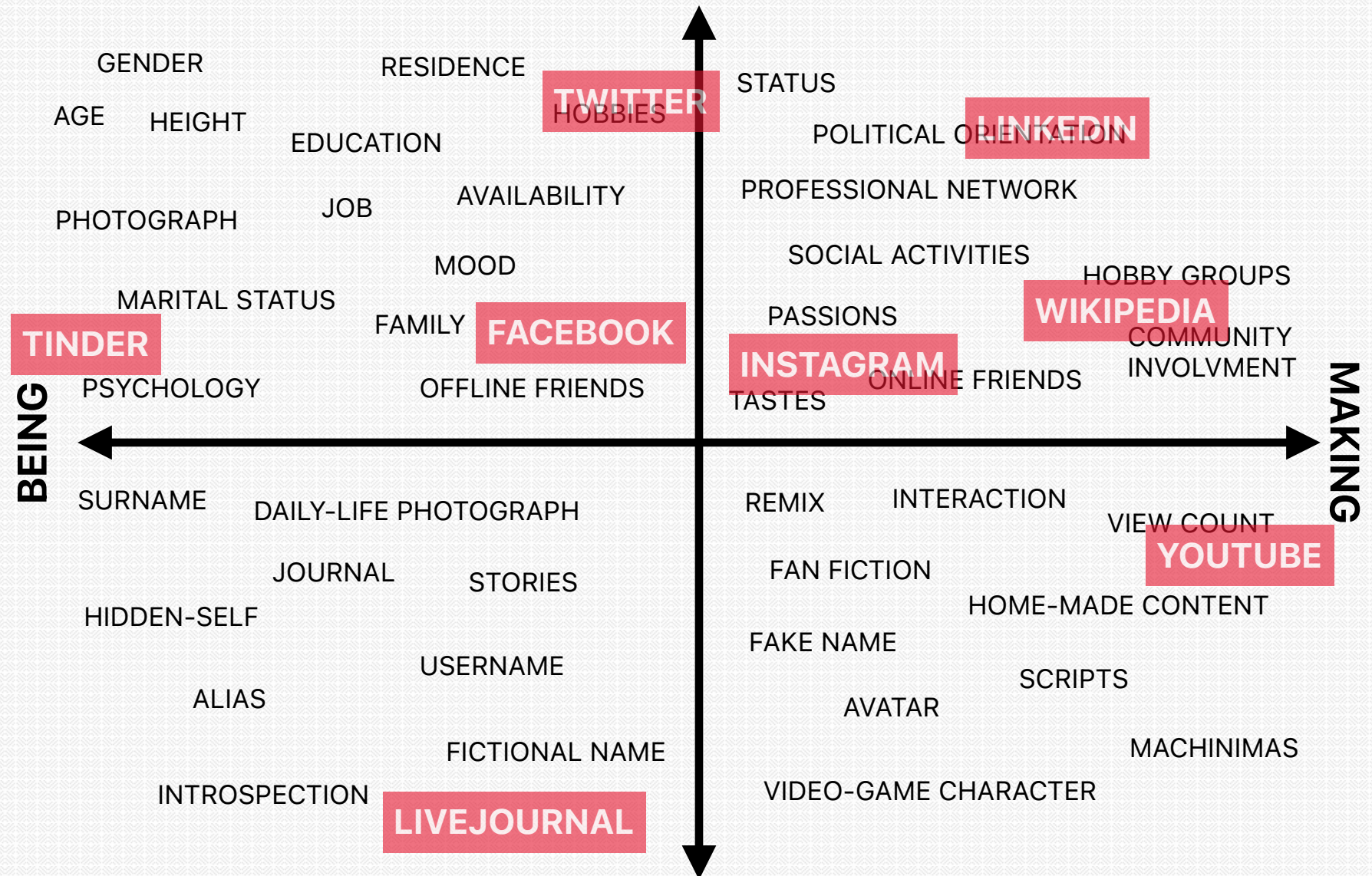
Bottom-Right Quadrant (Virtual Identity / Projection / Making):

- REMIX
- INTERACTION
- VIEW COUNT
- FAN FICTION
- HOME-MADE CONTENT
- FAKE NAME
- SCRIPTS
- AVATAR
- MACHINIMAS
- VIDEO-GAME CHARACTER

CIVIL IDENTITY

REALITY

ACTIVE IDENTITY



NARRATIVE IDENTITY

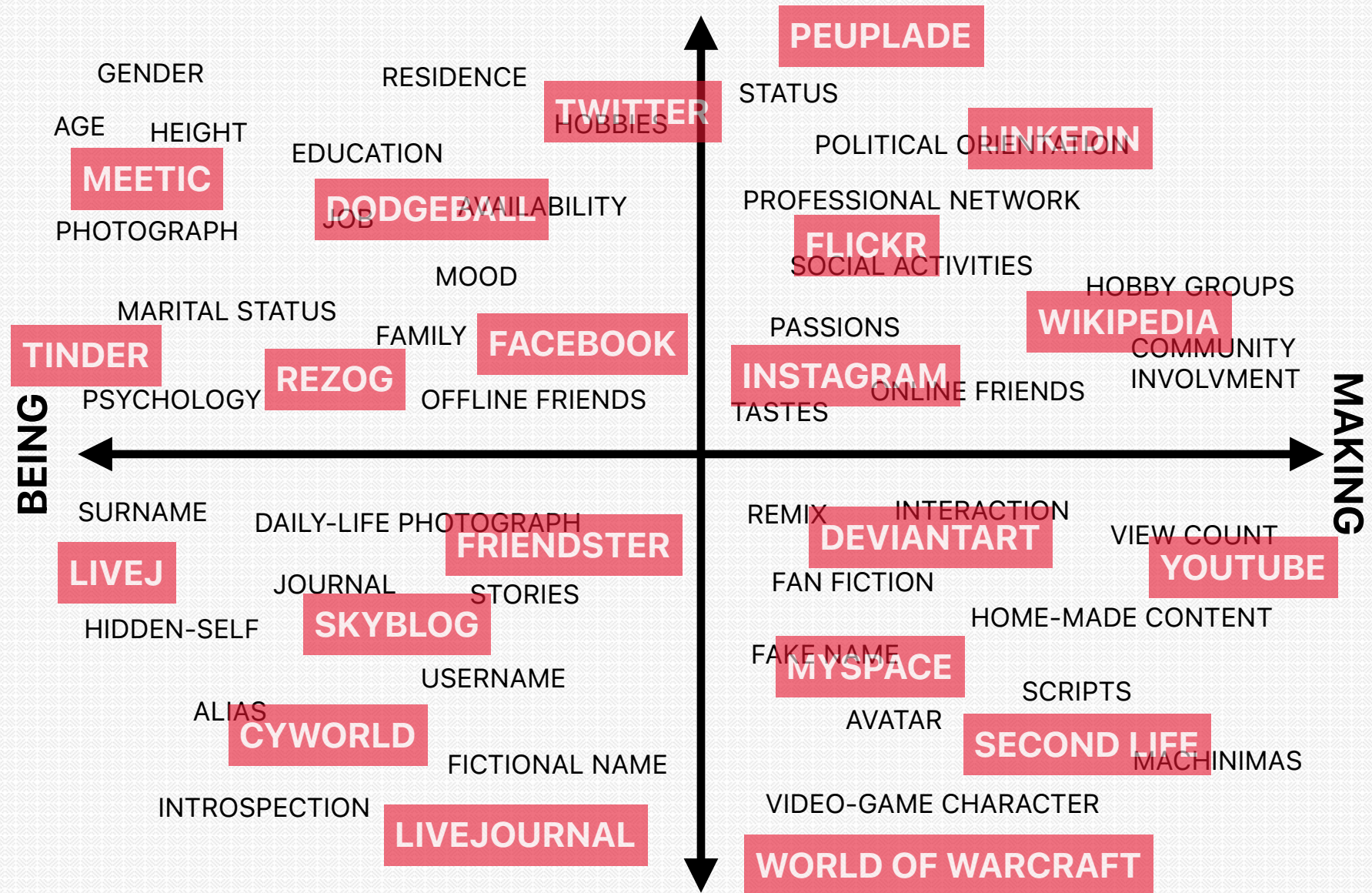
PROJECTION

VIRTUAL IDENTITY

CIVIL IDENTITY

REALITY

ACTIVE IDENTITY



NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY

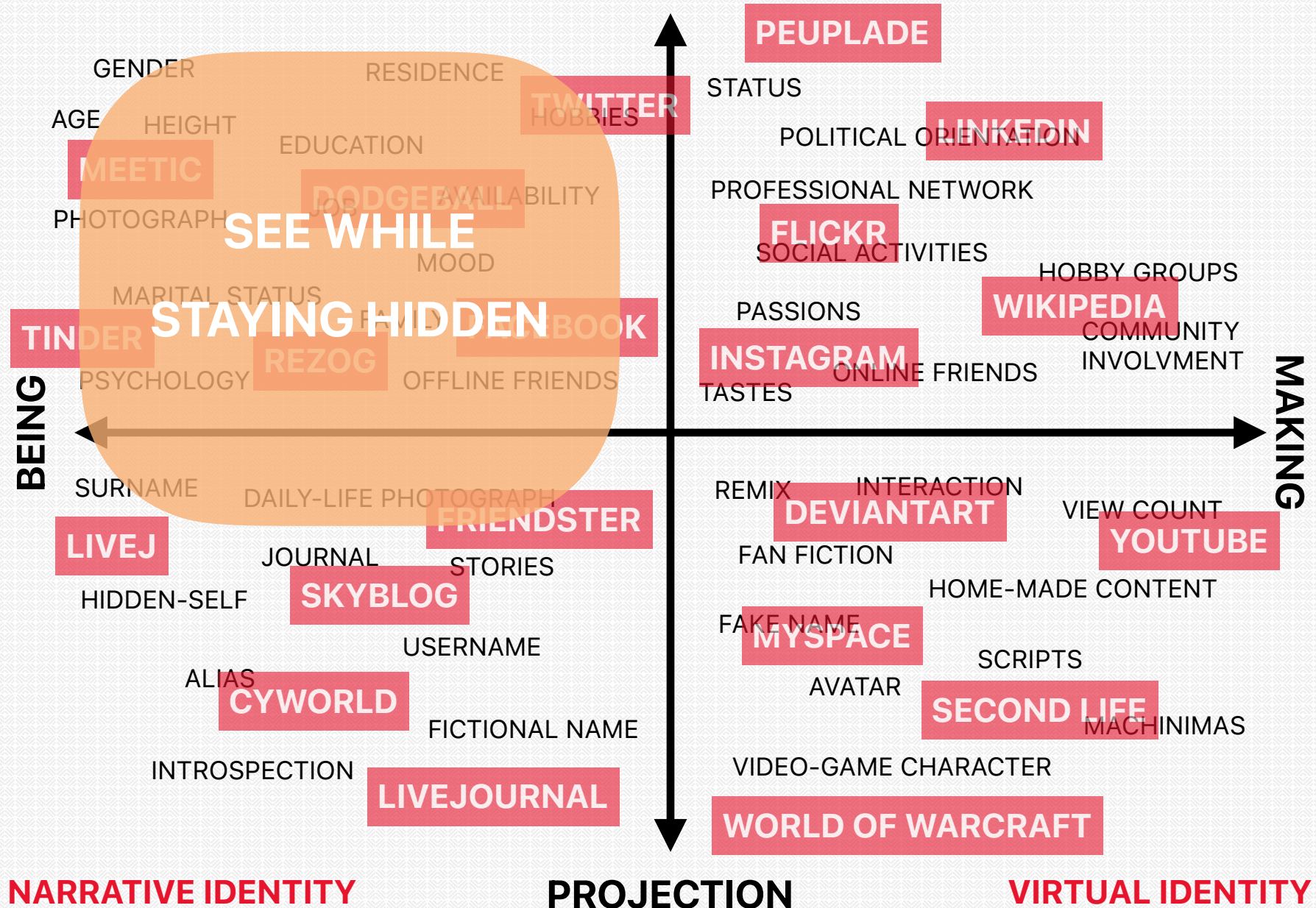
Question

Can you distinguish families of social networks?

CIVIL IDENTITY

REALITY

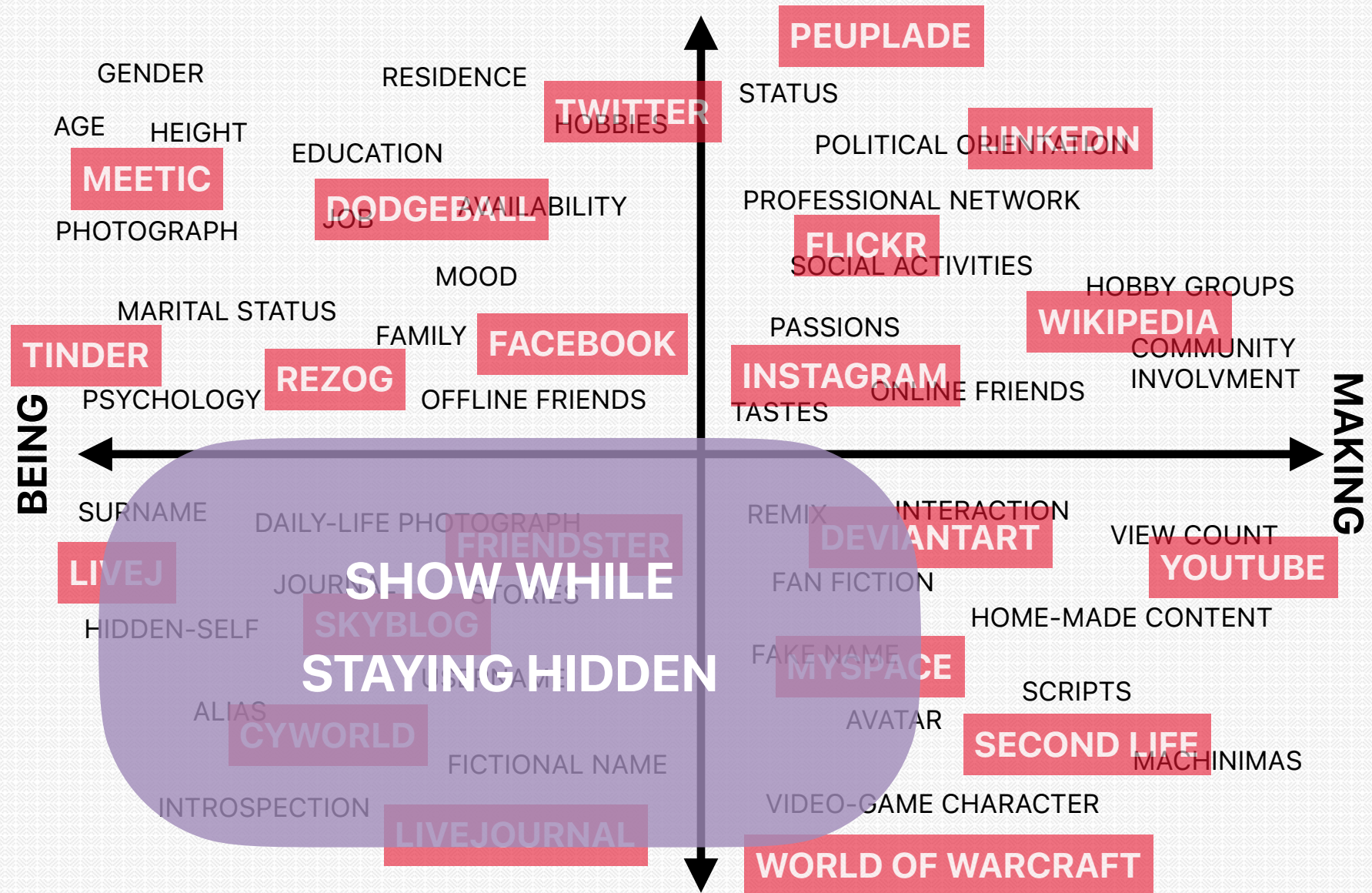
ACTIVE IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY



NARRATIVE IDENTITY

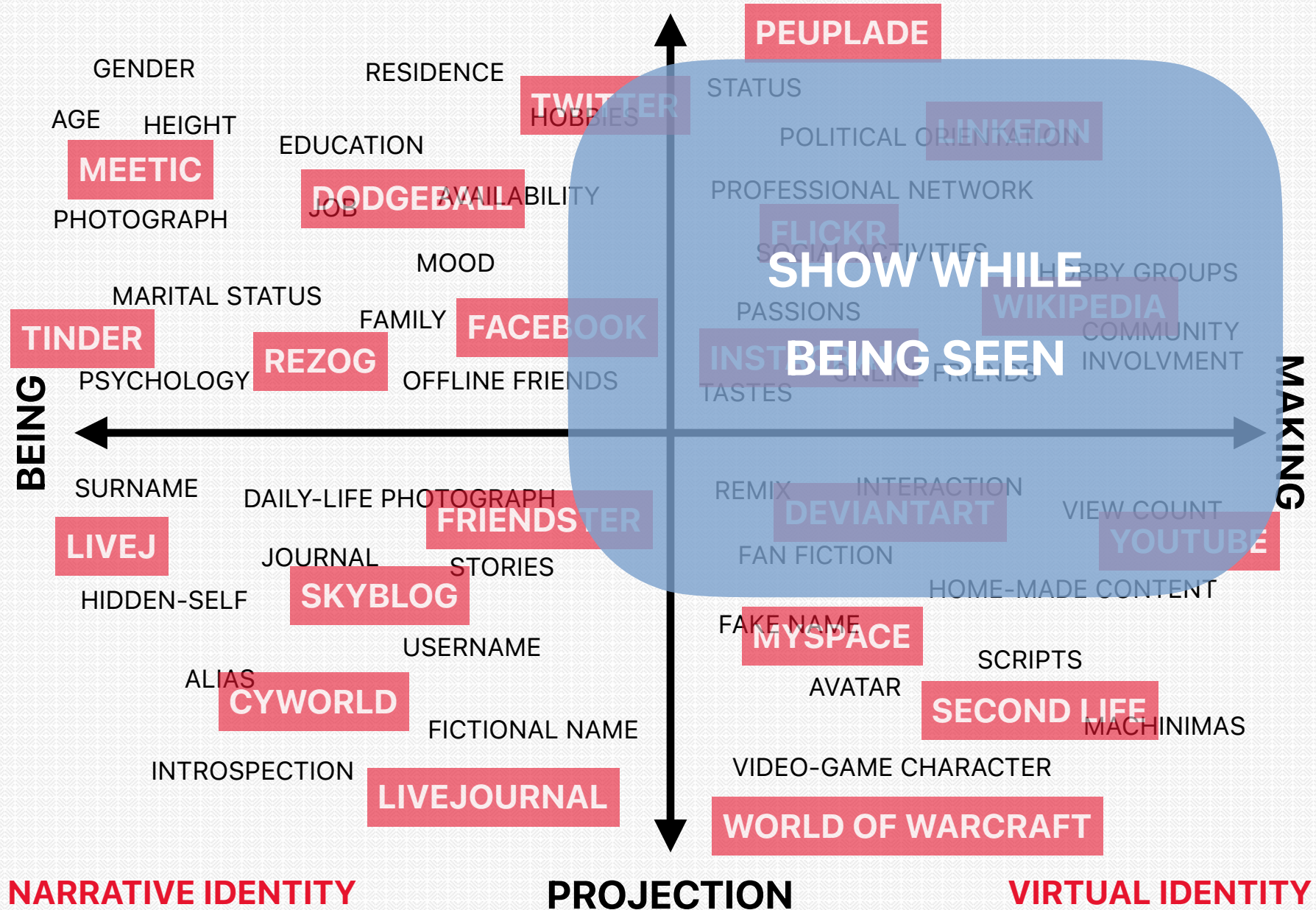
PROJECTION

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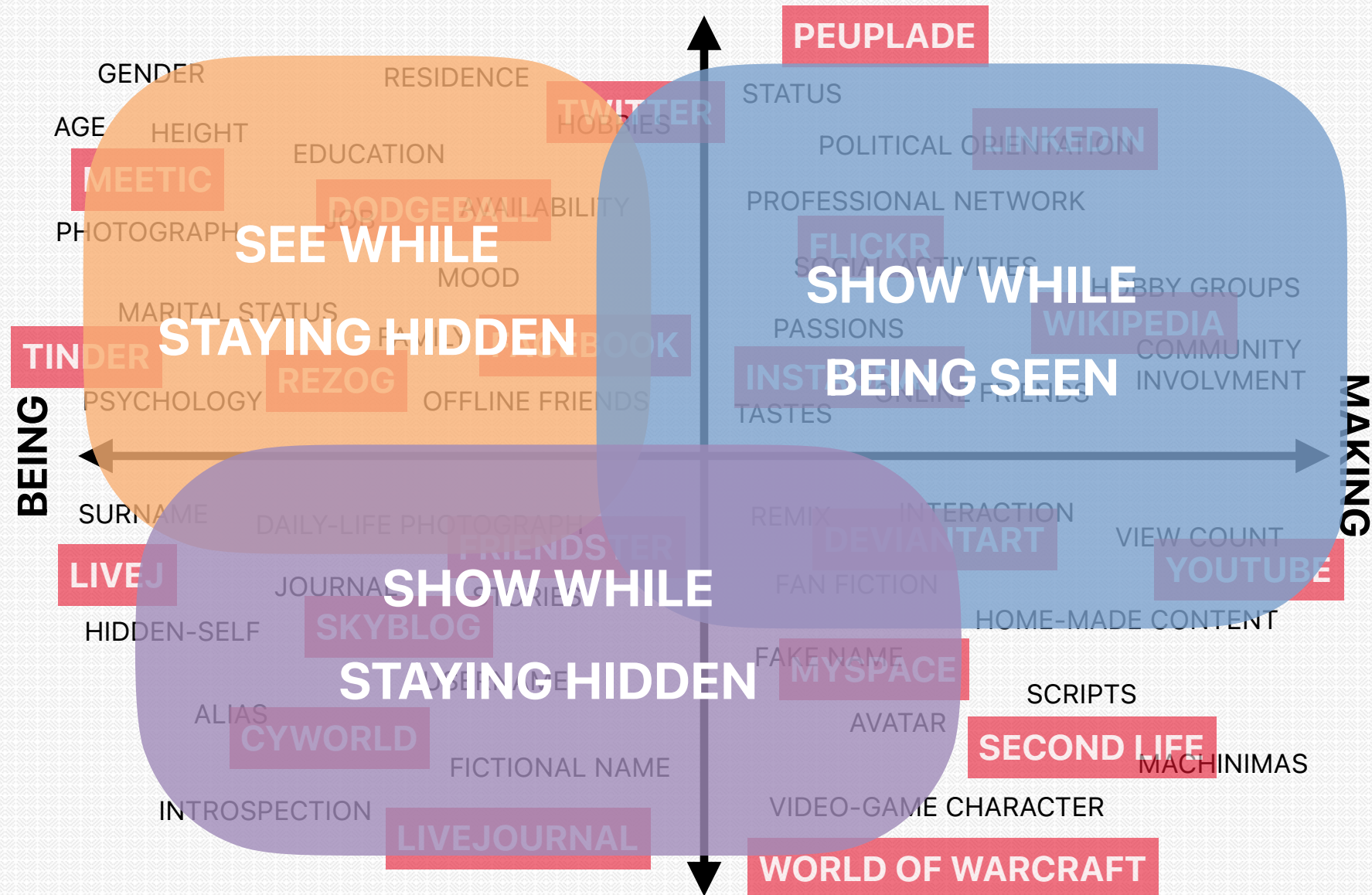
ACTIVE IDENTITY



CIVIL IDENTITY

REALITY

ACTIVE IDENTITY



NARRATIVE IDENTITY

PROJECTION

VIRTUAL IDENTITY

Remark

It's only one typology, among many!

Online Identity

Questions about Digital Identity

When thinking about digital identities, a few questions arise:

- how do we create this digital identity?
- what does it say about us?
- is it becoming an attribute of individuals, like a diploma or a profession in social life?

Key Points

Exposure of oneself online is primarily driven by the expectation of being recognised by others according to specific criteria.

Key Points

The social mechanisms of real life guide distinctively the way we present ourselves and behave online.

Key Points

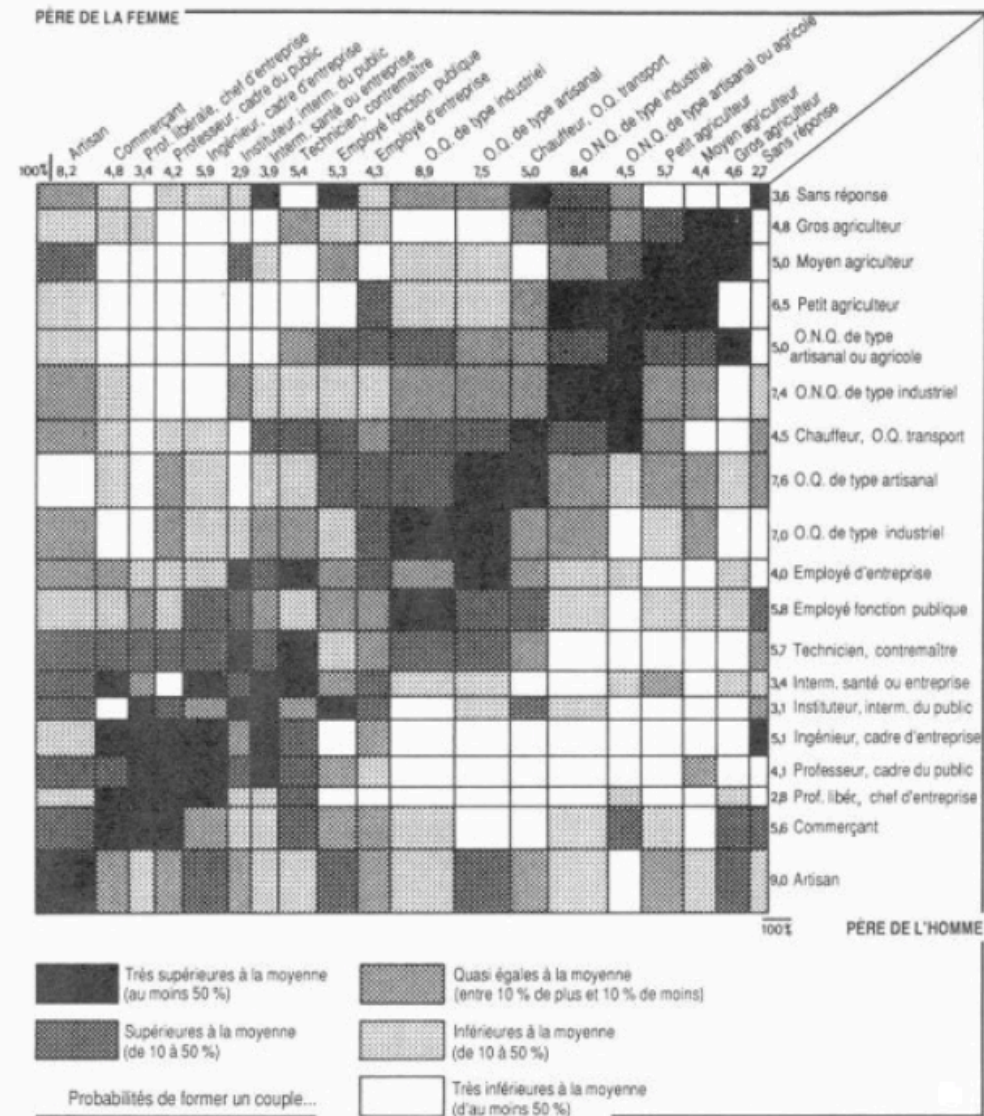
Exposure of oneself online is a highly controlled process.

Case Study of Online Dating Sites

Sociology of Relationships

The sociology of relationships has historically been mostly interested in homogamy and in how homogamy appears.

Sociology of Relationships



Sociology of Relationships

The sociology of relationships has historically been mostly interested in homogamy and in how homogamy appears.

Explicative theories about homogamy often rely on the locations where relationships usually start:

- reserved places (e.g. clubs, rallies, etc.)
- private places (e.g. universities, companies, etc.)
- public places (e.g. bars, campings, etc.)

Do online dating sites create a shift in the traditional homogamy?

Question

Do online dating sites create a shift in the traditional homogamy?

Why is there Homogamy Online?

Homogamy is still very much present on online dating sites.

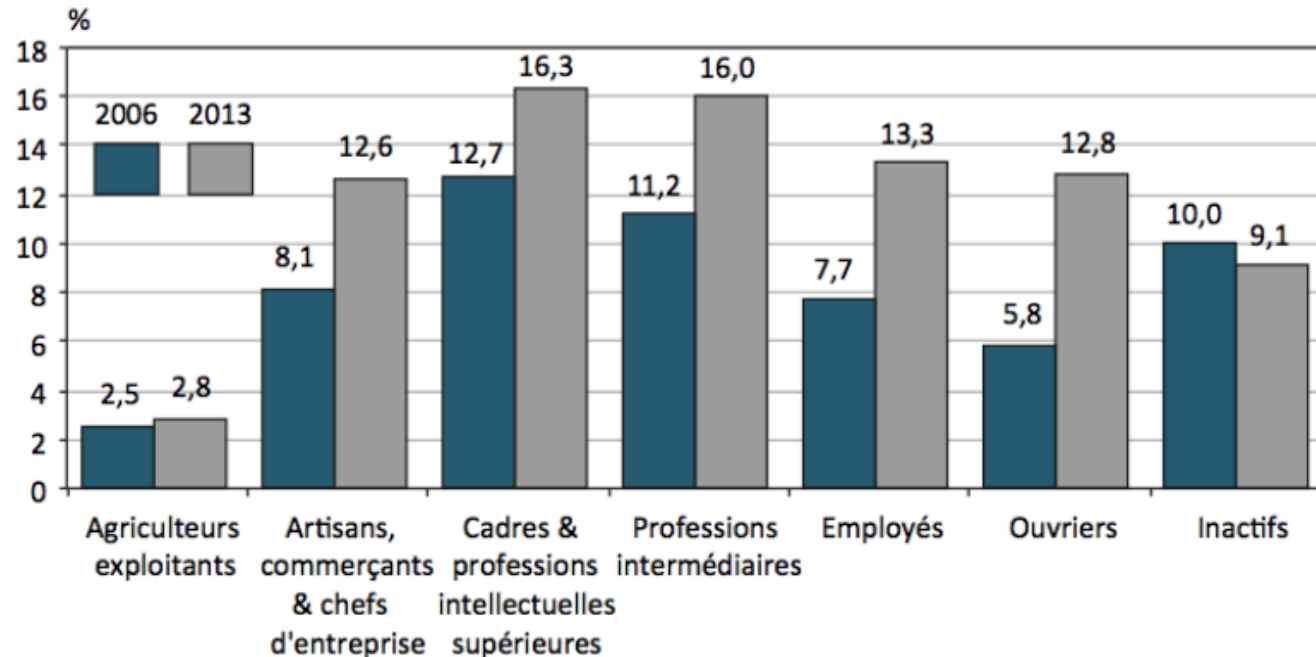
This comes, in part, from the iterative selection process that happens online. Dating online follows three phases:

- the evaluation of user profiles
- the written exchanges
- the face-to-face meeting

We'll see that in each of these three phases, socially differentiated selection mechanisms intervene, where individuals are led to renegotiate and construct their identity.

Use of Dating Sites is a Socially Situated Practice

Figure 1. Évolution du taux d'usage des sites de rencontres par catégorie socioprofessionnelle entre 2006 et 2013 (%)



Marie Bergström, *Population et Sociétés* n° 530, Ined, février 2016.

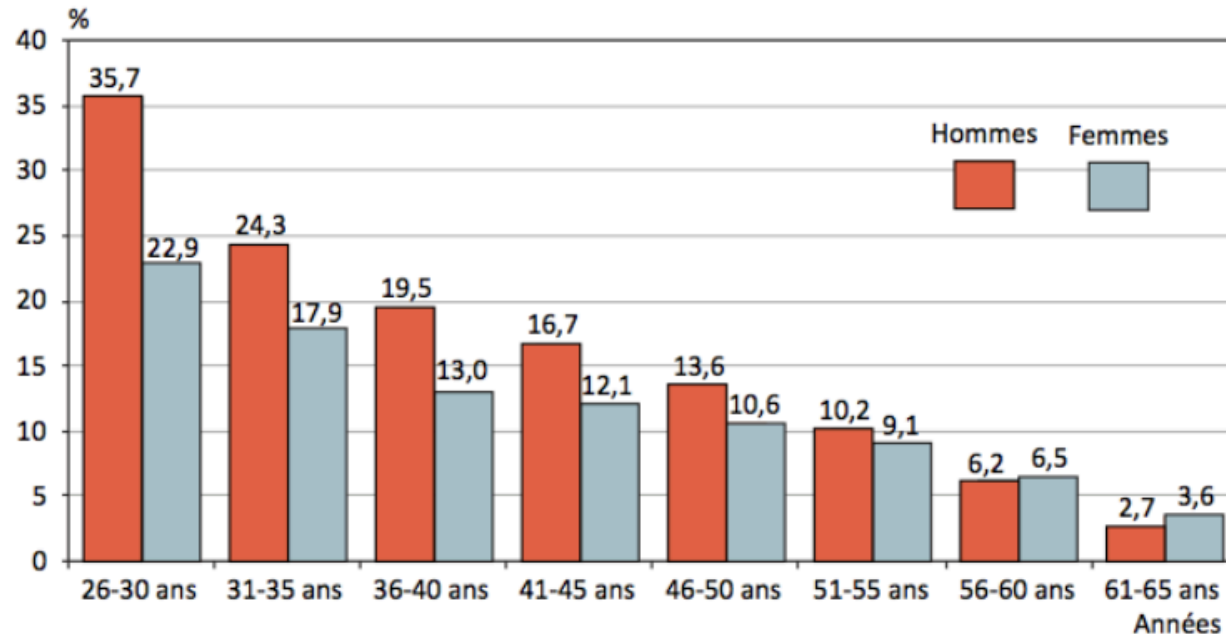
Sources : Enquêtes CSF (Inserm-Ined, 2006) et Épic (Ined-Insee, 2013-2014).

Champ : Femmes et hommes âgés de 26 à 65 ans en 2006 (N = 9 690) et en 2013 (N = 7 825).

Lecture : En 2006, 6 % des ouvriers s'étaient déjà connectés à un site de rencontres. En 2013, ils étaient 13 % à l'avoir fait.

Use of Dating Sites is a Socially Situated Practice

Figure 2. Taux d'usage des sites de rencontres par sexe et par groupe d'âges, en 2013 (%)



Marie Bergström, *Population et Sociétés* n° 530, Ined, février 2016.

Sources : Enquête Épic (Ined-Insee, 2013-2014).

Champ : Femmes et hommes âgés de 26 à 65 ans en 2013 (N = 7 825).

Lecture : 24 % des hommes âgés de 31 à 35 ans déclarent s'être déjà inscrits sur un site de rencontres contre 18 % des femmes de même âge.

Sociology of Relationships

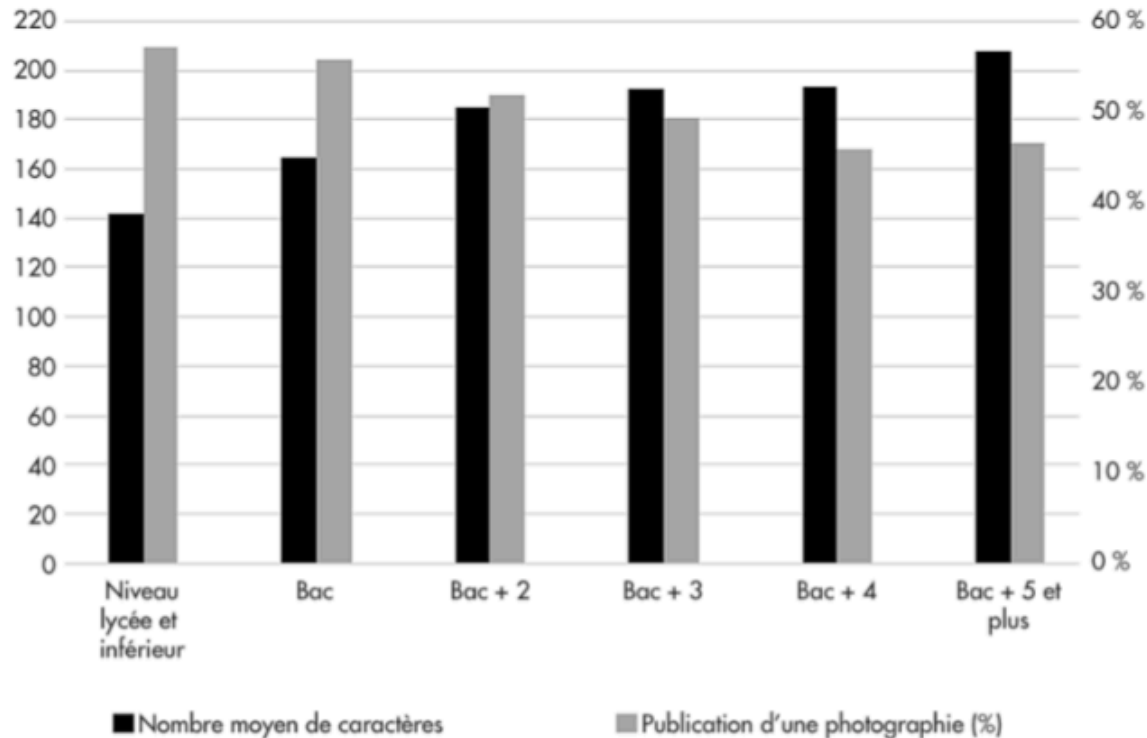
Not everyone uses the same dating site!



Use of Dating Sites is a Socially Situated Practice

GRAPHIQUE 1

Usages de l'« annonce » et de la photographie sur *Meetic.fr* selon le niveau d'éducation déclaré



Note : Les niveaux d'éducation correspondent aux modalités de réponses proposées sur le site.

Champ : profils d'utilisateurs « actifs » enregistrés sur le site *Meetic.fr* en 2014 indiquant le niveau d'éducation.

Source : Base d'utilisateurs de *Meetic.fr*, 2014, Meetic Group.

Use of Dating Sites is a Socially Situated Practice

TABLEAU 2

Comportements de contacts sur *Meetic.fr* selon le niveau d'éducation déclaré – tableau de sur- et de sous-représentation

Prise de contact (1^{er} email)

Destinataire	Niveau lycée et inférieur	BAC	Bac+2	Bac+3	Bac+4	Bac+5 et plus
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Expéditeur

Niveau lycée et inférieur	1,52	1,23	1,04	0,93	0,83	0,67
Bac	1,21	1,14	1,05	0,98	0,90	0,79
Bac+2	0,98	1,02	1,04	1,02	0,98	0,94
Bac+3	0,90	0,96	1,00	1,02	1,03	1,05
Bac+4	0,87	0,92	0,97	1,00	1,10	1,12
Bac+5 et plus	0,66	0,78	0,91	1,02	1,14	1,36

Échange prolongé (10^e email)

Niveau lycée et inférieur	1,93	1,36	0,97	0,82	0,67	0,52
Bac	1,35	1,24	1,04	0,93	0,82	0,68
Bac+2	0,97	1,04	1,08	1,02	0,98	0,89
Bac+3	0,78	0,93	1,03	1,07	1,06	1,06
Bac+4	0,62	0,77	0,96	1,07	1,24	1,28
Bac+5 et plus	0,46	0,61	0,87	1,07	1,26	1,62

< 0,9 Sous-représentation 0,9-1,1 Proche du taux attendu > 1,1 Surreprésentation

Lecture : Lors d'une prise de contact (1^{er} email envoyé), la proportion d'emails envoyés par des utilisateurs indiquant « Bac+5 et plus » à des utilisateurs ayant indiqué ce même niveau de diplôme est 1,36 fois supérieur à la proportion attendue.

Champ : mails échangés en 2014 sur le site *Meetic.fr* entre comptes d'utilisateurs « actifs » indiquant le niveau d'éducation.

Source : Base d'utilisateurs de *Meetic.fr*, 2014, Meetic Group.

Why is there Homogamy Online?

Homogamy is still very much present on online dating sites.

This comes, in part, from the iterative selection process that happens online. Dating online follows three phases:

- the evaluation of user profiles
- the written exchanges
- the face-to-face meeting

In each of these phases, socially differentiated selection mechanisms intervene, where individuals are led to renegotiate their identity.

Social Network and Social Sciences

Who Leads? Who Follows?

Who Leads? Who Follows?

American Political Science Review (2019) 113, 4, 883–901

doi:10.1017/S0003055419000352

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Who Leads? Who Follows? Measuring Issue Attention and Agenda Setting by Legislators and the Mass Public Using Social Media Data

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ANDREU CASAS *New York University*

JONATHAN NAGLER *New York University*

PATRICK J. EGAN *New York University*

RICHARD BONNEAU *New York University*


JOHN T. JOST *New York University*


JOSHUA A. TUCKER *New York University*


Are legislators responsive to the priorities of the public? Research demonstrates a strong correspondence between the issues about which the public cares and the issues addressed by politicians, but conclusive evidence about who leads whom in setting the political agenda has yet to be uncovered. We answer this question with fine-grained temporal analyses of Twitter messages by legislators and the public during the 113th US Congress. After employing an unsupervised method that classifies tweets sent by legislators and citizens into topics, we use vector autoregression models to explore whose priorities more strongly predict the relationship between citizens and politicians. We find that legislators are more likely to follow, than to lead, discussion of public issues, results that hold even after controlling for the agenda-setting effects of the media. We also find, however, that legislators are more likely to be responsive to their supporters than to the general public.


INTRODUCTION

An enduring topic in the study of democratic politics is how responsive governments are to the preferences of the public. Two main lines of inquiry lead this research: Do politicians respond to the issue priorities of the public (Edwards and Wood 1999; Jones and Baumgartner 2004; Neundorff and Adams 2018; Sulkin 2005)? And, if so, do they reflect the policy preferences that citizens have on these issues (Caughy and Warshaw 2018; Page and Shapiro 1983; Soroka and Wlezien 2009; Stimson, Mackuen, and Erikson 1995)? Our manuscript focuses on the first of these two questions, because while a correspondence between public and political agendas has definitively been shown

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Who Leads? Who Follows?

ONLINE APPENDIX:

Who Leads? Who Follows? Measuring Issue Attention and Agenda Setting by Legislators and the Mass Public Using Social Media Data.

Pablo Barberá, Andreu Casas, Jonathan Nagler, Patrick Egan, Richard Bonneau, John Jost, and Joshua Tucker.

Full paper available [here](#).

Economic Issues

Topic 13: Small Business
Topic 17: 2013 Government Shutdown (Republicans)
Topic 26: 2013 Government Shutdown (Democrats)
Topic 35: 2013 Budget Sequestration (Republicans)
Topic 37: Social Security
Topic 38: Budget Discussion (early 2014)
Topic 39: Keystone XL Pipeline
Topic 42: 2013 Budget Sequestration (Democrats)
Topic 46: Unemployment Numbers Reports
Topic 47: Paul Ryan's Budget Proposal
Topic 49: 2013 Budget Agreement
Topic 53: Minimum Wage
Topic 59: Budget Discussion (mid-2014)
Topic 64: FAA Furloughs Cause Flight Delays
Topic 70: #MiddleClassFirst campaign
Topic 83: 21st Century Cures Initiative
Topic 93: Jobs Bills Omnibus

Foreign Policy

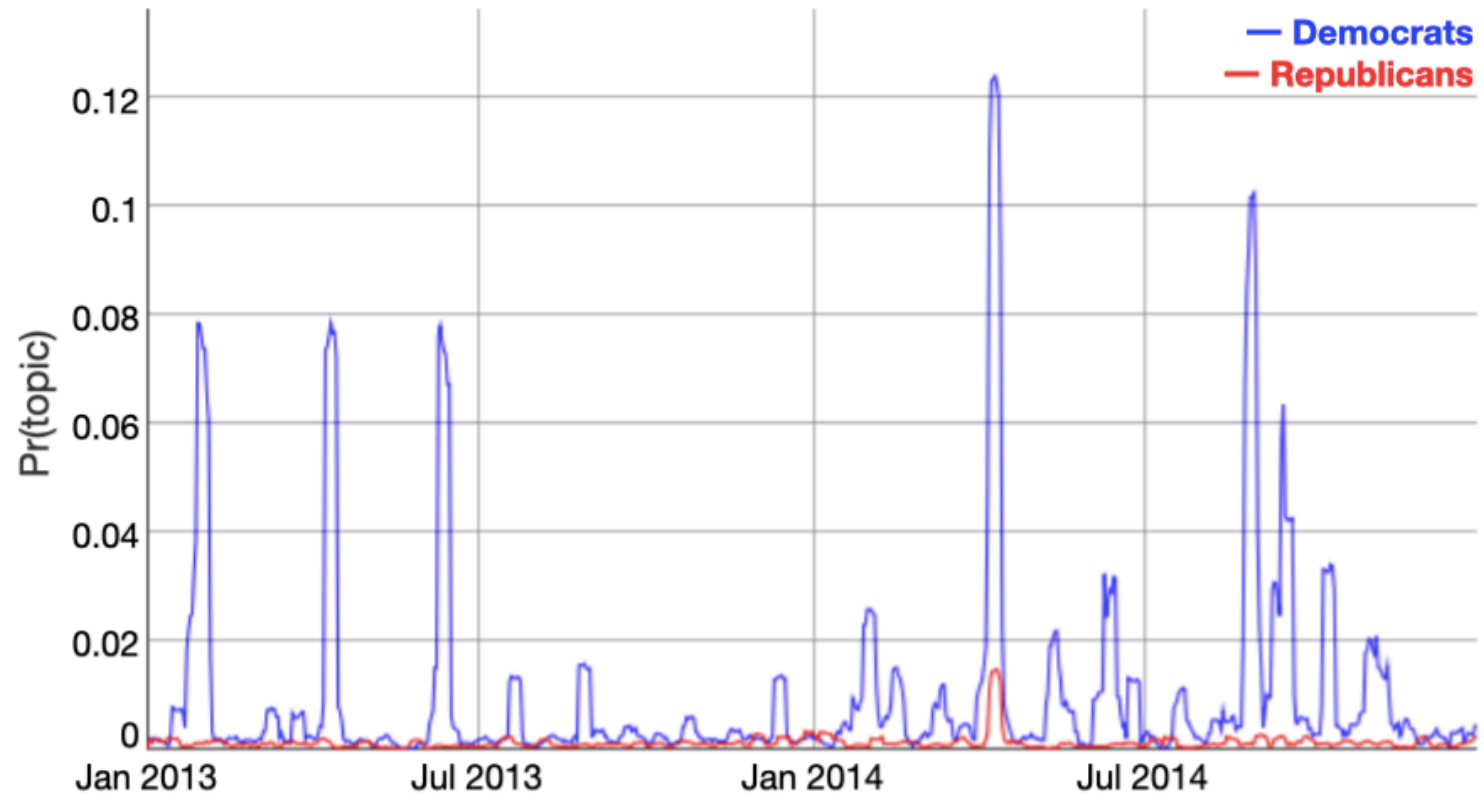
Topic 7: 100 Days of #BringBackOurGirls campaign
Topic 23: #BringBackOurGirls campaign
Topic 32: Islamic State
Topic 33: Use of Military Force in Syria
Topic 36: Ebola
Topic 66: Malaysian Airlines Crash in Ukraine
Topic 69: Sargent Tahmoore's Release
Topic 97: Protests in Ukraine and Venezuela
Topic 99: CIA Detentions and Interrogations Report

Social Issues

Topic 9: Gender Wage Gap
Topic 41: Hobby Lobby Supreme Court Decision (Democrats)

Gender Wage Gap

Topic Usage Over Time:



The Yellow Vests Movement

Who Leads? Who Follows?

What colours are the yellow vests? An ideological scaling of Facebook groups

Jean-Philippe Cointet* Pedro Ramaciotti Morales* Dominique Cardon*
Caterina Froio[†] Andreï Mogoutov* Benjamin Ooghe-Tabanou*
Guillaume Plique*

17 juin 2020

Abstract : The Yellow Vests' motto is "neither right wing nor left wing". Rather than "taking sides", they have chosen to dismiss entrenched political parties altogether, setting them back to back. Yet, when they emerged in France the public space was already informed by pre-existing structures and rife with tensions. Their actions are therefore necessarily situated, embedded in this space and imbued with some of its properties. This calls for an examination of the movement's role and the position of its digital expression on Facebook. How do online citation practices reveal not so much the movement's political colour, but the political space that informs it and which it in turn informs? This article answers this question by introducing an original methodological framework that makes it possible to extend ideological embeddedness of Twitter users to posts published on Facebook. We first use a correspondence analysis to reduce the adjacency matrix that links French members of parliament to their Twitter followers. This first step allows us to identify two latent axes which are decisive in explaining the structure of the network. The first dimension distributes individuals according to their position on the left-to-right axis of the political space, and we interpret the second as a measure of distance to power. These two dimensions frame a space in which we then position hundreds of thousands of Twitter users along with URLs and media cited on the platform and, by extension, publications from almost 1,000 of the most active Facebook groups in the Yellow Vests movement. We finally quantify the evolution in these groups' publications within the latent ideological space, to provide both an interpretation and an answer to the question of the movement's political orientation. The dynamics observed support the interpretation of a movement that was initially fuelled by far right-wing resources but then quickly shifted to the left while maintaining an attitude of dissent. This portrait sketched through the lens of the Yellow Vests' use of media on Facebook perfectly illustrates the idea of a multifaceted populism.

The Yellow Vests Movement

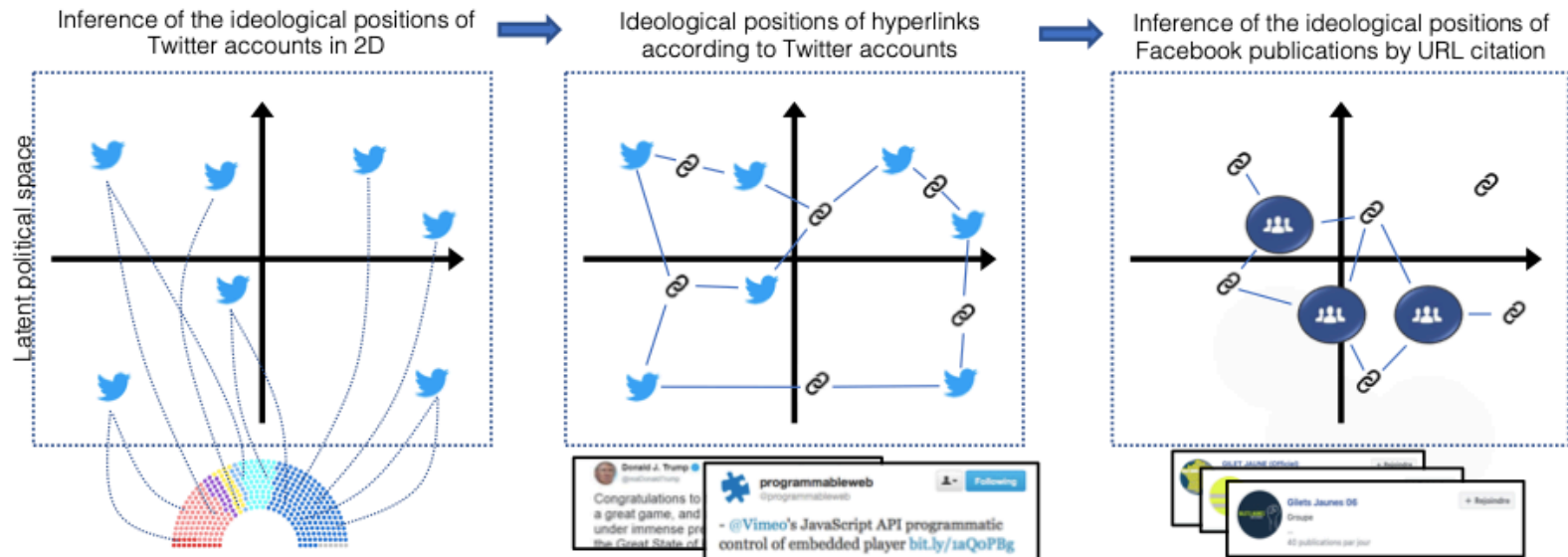


FIGURE 1 – Breakdown of our methodology into three stages. From left to right : inference of an ideological space from Twitter accounts (based on their links to MPs and senators), calculation of the scores of URLs as the average position of the accounts having shared them, and propagation of these scores to the posts and then to the Facebook groups in which these links are shared.

The Yellow Vests Movement

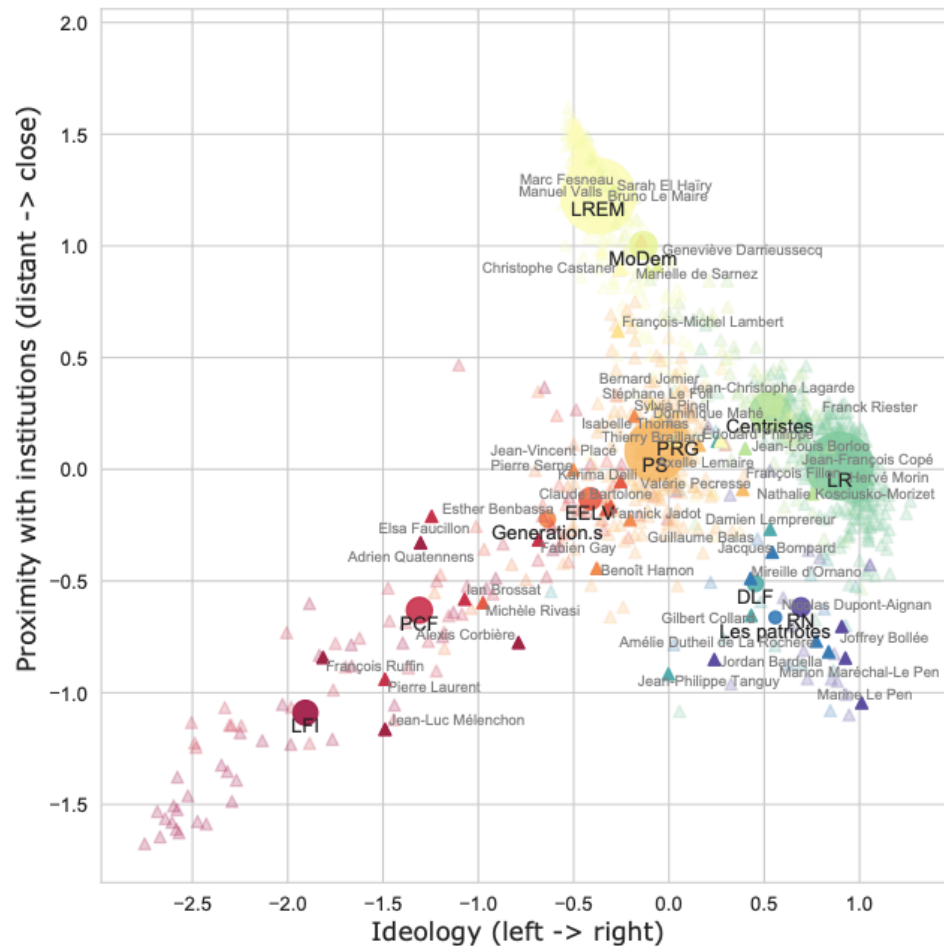


FIGURE 4 – Positions of almost a thousand political accounts (deputies, senators, candidates in the last European elections, ministers or former ministers) in the latent space induced by the correspondence analysis. A few individual accounts are labelled. The accounts of each personality are coloured according to their party, whose average position is represented by a circle and whose size is proportional to its number of elected representatives. The 4 most followed accounts of each party are labelled with their full name.

The Yellow Vests Movement

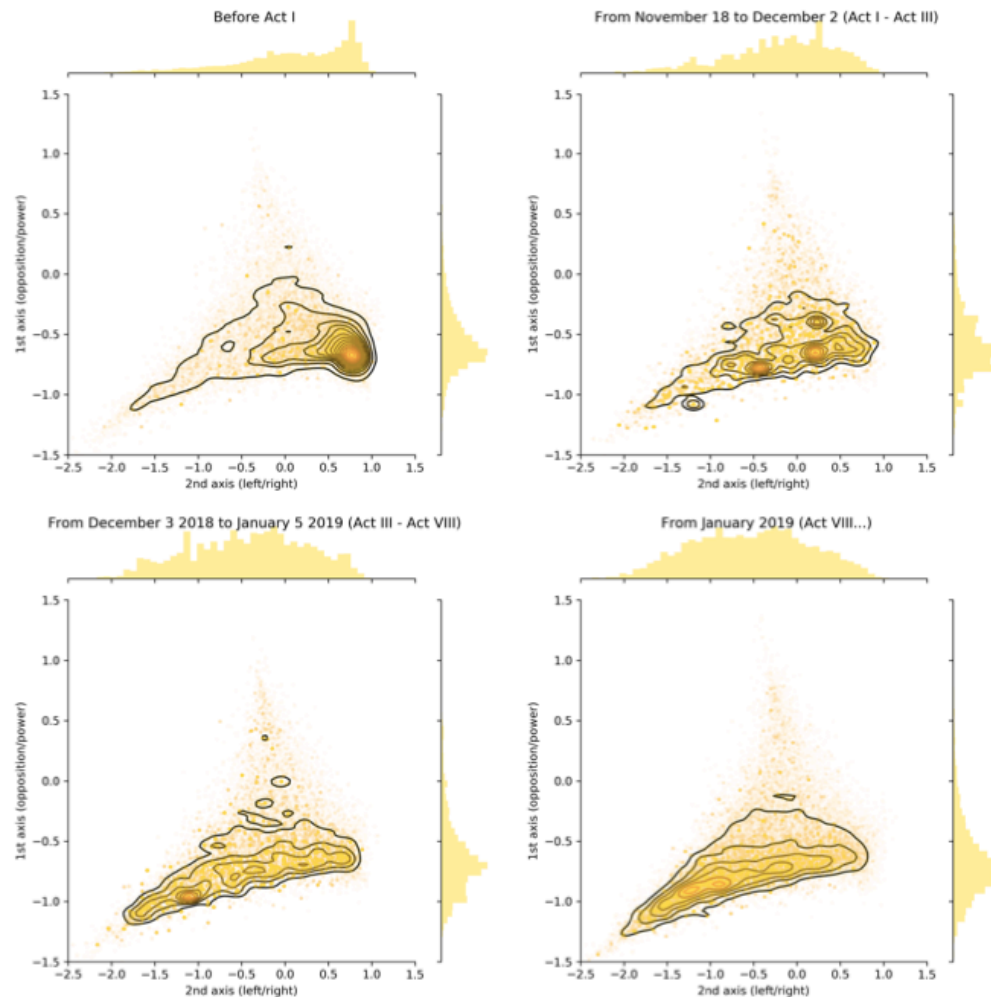
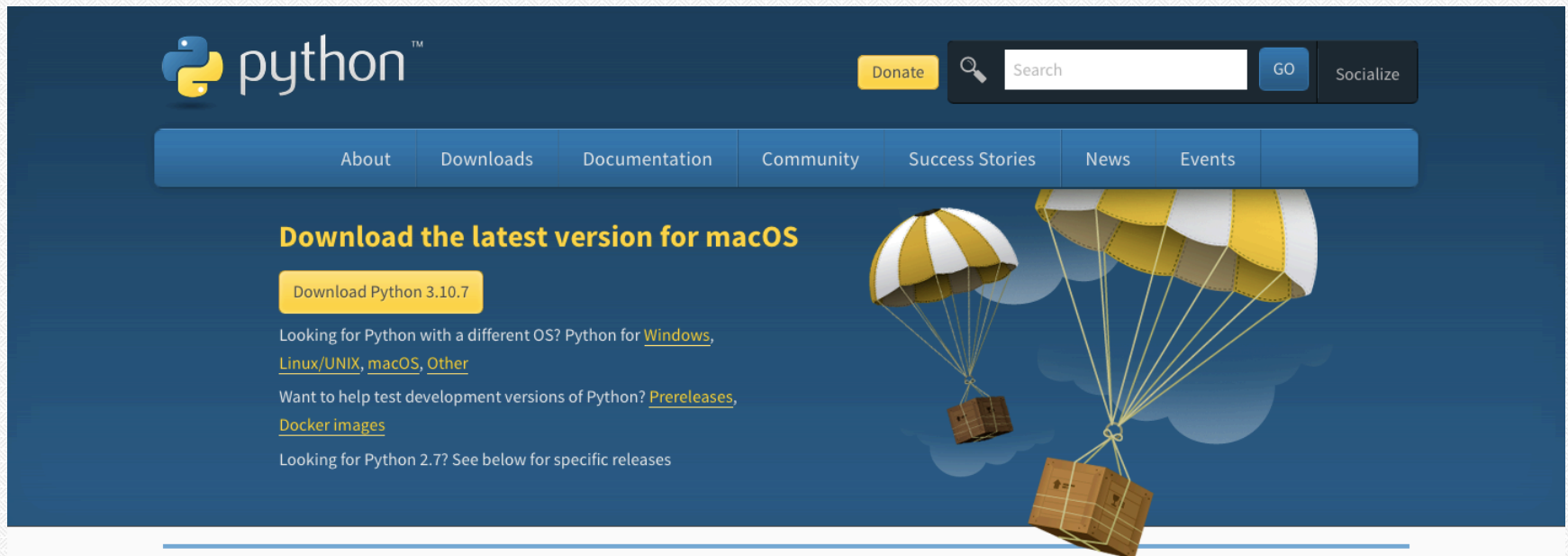


FIGURE 11 – Ideological distribution of Yellow Vest posts as a function of URLs cited in four successive periods. 28 000 random URLs were sampled for each period, so as to construct distributions that correspond to a constant number of entities in each period. The successive concentric contour lines also correspond to a constant density level from one period to the next, which reveals a gradual flattening of the distribution

Tutorial on Data Analysis

Twitter Data Collection Tutorial

- Install Python 3.10.7 on <https://www.python.org/downloads/>



Active Python Releases

For more information visit the [Python Developer's Guide](#).

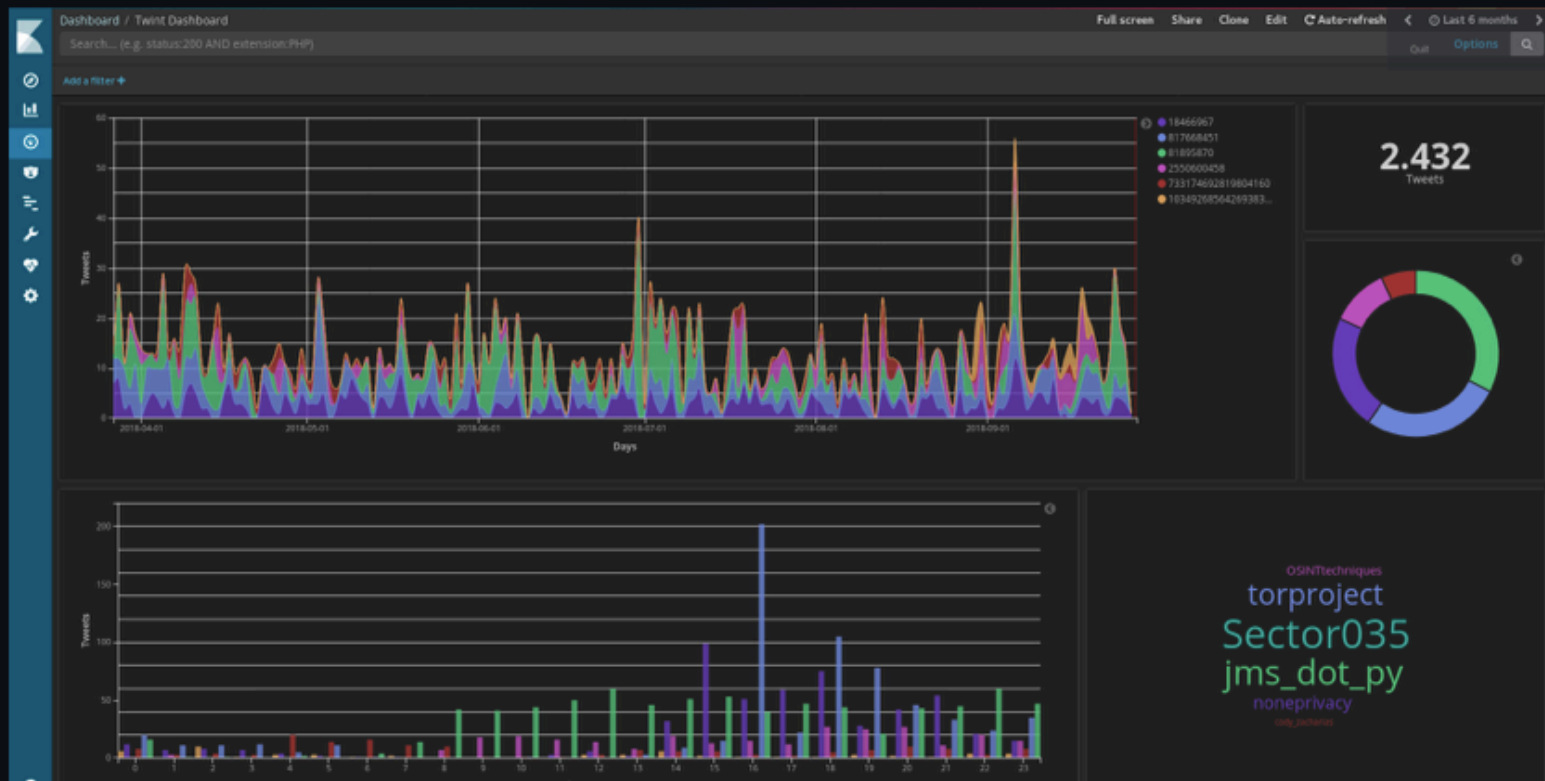
Python version	Maintenance status	First released	End of support	Release schedule
3.10	bugfix	2021-10-04	2026-10	PEP 619
3.9	security	2020-10-05	2025-10	PEP 596
3.8	security	2019-10-14	2024-10	PEP 569
3.7	security	2018-06-27	2023-06-27	PEP 537
2.7	end-of-life	2010-07-03	2020-01-01	PEP 373

Twitter Data Collection Tutorial

- Install Twint by running:

```
pip3 install -user -upgrade -e git+https://github.com/twintproject/  
twint.git@origin/master#egg=twint
```

TWINT - Twitter Intelligence Tool



Twitter Data Collection Tutorial

- Perform a basic tweet collection:

```
twint -s "patagonia" -o patagonia_twitter_data.csv -csv
```

115	1565613335	1565613335	2022-09-02	2022-09-02	10:11:21	+0200	126244275	stadedereims	Stade de Reir	🚧 CHANGEM	fr	[]	['http://bit.ly/	0
116	1565596636	1565596636	2022-09-02	2022-09-02	09:05:00	+0200	126244275	stadedereims	Stade de Reir	#LaConf	fr	[{'screen_nar	[]	['https://pbs.t
117	1565587829	1565587829	2022-09-02	2022-09-02	08:30:00	+0200	126244275	stadedereims	Stade de Reir	Eric Watted	fr	[]	[]	['https://pbs.t
118	1568887328	1568887328	2022-09-11	2022-09-11	11:01:02	+0200	168619698	sciencespo	Sciences Po	Nathacha	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
119	1568555143	1568555143	2022-09-10	2022-09-10	13:01:03	+0200	168619698	sciencespo	Sciences Po	"There are at	en	[{'screen_nar	['https://fal.cr	['https://pbs.t
120	1568532484	1568532484	2022-09-10	2022-09-10	11:31:00	+0200	168619698	sciencespo	Sciences Po	Découvrez "C	fr	[{'screen_nar	['https://fal.cr	0
121	1568262443	1568262443	2022-09-09	2022-09-09	17:37:58	+0200	168619698	sciencespo	Sciences Po	Feliz anivér	fr	[{'screen_nar	[]	['https://pbs.t
122	1568221968	1568221968	2022-09-09	2022-09-09	14:57:08	+0200	168619698	sciencespo	Sciences Po	En direct de	fr	[{'screen_nar	[]	['https://pbs.t
123	1568162548	1568162548	2022-09-09	2022-09-09	11:01:01	+0200	168619698	sciencespo	Sciences Po	"Le mot "libre	fr	[{'screen_nar	['https://fal.cr	0
124	1568139897	1568139897	2022-09-09	2022-09-09	09:31:00	+0200	168619698	sciencespo	Sciences Po	Rencontre av	fr	[{'screen_nar	['https://fal.cr	0
125	1567906108	1567906108	2022-09-08	2022-09-08	18:02:01	+0200	168619698	sciencespo	Sciences Po	In less than a	en	[{'screen_nar	['https://fal.cr	0
126	1567882439	1567882439	2022-09-08	2022-09-08	16:27:58	+0200	168619698	sciencespo	Sciences Po	"Le fil de la c	fr	[{'screen_nar	[]	['https://pbs.t
127	1567881567	1567880723	2022-09-08	2022-09-08	16:24:30	+0200	168619698	sciencespo	Sciences Po	@pierregouv	en	[]	[]	0
128	1567878888	1567878888	2022-09-08	2022-09-08	16:13:51	+0200	168619698	sciencespo	Sciences Po	La ministre d	fr	[{'screen_nar	[]	['https://pbs.t
129	1567877022	1567877022	2022-09-08	2022-09-08	16:06:26	+0200	168619698	sciencespo	Sciences Po	"Je vous souh	fr	[{'screen_nar	[]	['https://pbs.t
130	1567873317	1567873317	2022-09-08	2022-09-08	15:51:43	+0200	168619698	sciencespo	Sciences Po	Le conseil de	fr	[{'screen_nar	[]	['https://pbs.t
131	1567871819	1567871819	2022-09-08	2022-09-08	15:45:46	+0200	168619698	sciencespo	Sciences Po	"L'actualité n	fr	[{'screen_nar	[]	['https://pbs.t
132	1567870601	1567870601	2022-09-08	2022-09-08	15:40:55	+0200	168619698	sciencespo	Sciences Po	Le directeur c	fr	[{'screen_nar	[]	['https://pbs.t
133	1567848552	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Thursday	en	[]	['https://www	0
134	1567848549	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Jeudi 15/	fr	[{'screen_nar	['https://www	1
135	1567848547	1567848543	2022-09-08	2022-09-08	14:13:17	+0200	168619698	sciencespo	Sciences Po	Mercredi	fr	[{'screen_nar	['https://www	1
136	1567848543	1567848543	2022-09-08	2022-09-08	14:13:16	+0200	168619698	sciencespo	Sciences Po	Atteintes à la	fr	[]	[]	['https://pbs.t
137	1567800836	1567800836	2022-09-08	2022-09-08	11:03:42	+0200	168619698	sciencespo	Sciences Po	97% des adm	fr	[{'screen_nar	['https://www	['https://pbs.t
138	1567770347	1567770347	2022-09-08	2022-09-08	09:02:33	+0200	168619698	sciencespo	Sciences Po	Samedi 17 et	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
139	1567543740	1567543740	2022-09-07	2022-09-07	18:02:05	+0200	168619698	sciencespo	Sciences Po	This year mar	en	[]	['https://fal.cr	['https://pbs.t
140	1567439114	1567439114	2022-09-07	2022-09-07	11:06:21	+0200	168619698	sciencespo	Sciences Po	Pour célébrer	fr	[]	['https://fal.cr	['https://pbs.t
141	1567169504	1567169504	2022-09-06	2022-09-06	17:15:01	+0200	168619698	sciencespo	Sciences Po	Pour quelle r	fr	[{'screen_nar	['https://fal.cr	0
142	1567136056	1567136056	2022-09-06	2022-09-06	15:02:16	+0200	168619698	sciencespo	Sciences Po	How to digiti	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
143	1567106160	1567106160	2022-09-06	2022-09-06	13:03:18	+0200	168619698	sciencespo	Sciences Po	L'écivain	fr	[]	['https://fal.cr	0
144	1567077473	1567077473	2022-09-06	2022-09-06	11:09:19	+0200	168619698	sciencespo	Sciences Po	Retour en im	fr	[{'screen_nar	[]	['https://pbs.t
145	1566843797	1566843797	2022-09-05	2022-09-05	19:40:46	+0200	168619698	sciencespo	Sciences Po	Watch live	en	[{'screen_nar	['https://youtu	['https://pbs.t
146	1566842472	1566842472	2022-09-05	2022-09-05	19:35:30	+0200	168619698	sciencespo	Sciences Po	@sguriev	en	[{'screen_nar	['https://youtu	['https://pbs.t
147	1566803592	1566803592	2022-09-05	2022-09-05	17:01:00	+0200	168619698	sciencespo	Sciences Po	Quel bilan poi	fr	[{'screen_nar	['https://fal.cr	0
148	1566774107	1566774107	2022-09-05	2022-09-05	15:03:51	+0200	168619698	sciencespo	Sciences Po	The Global Le	en	[{'screen_nar	[]	['https://pbs.t
149	1566743194	1566743194	2022-09-05	2022-09-05	13:01:01	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[{'screen_nar	['https://fal.cr	0
150	1566713040	1566713040	2022-09-05	2022-09-05	11:01:11	+0200	168619698	sciencespo	Sciences Po	#FreeFariba T	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
151	1566470178	1566470178	2022-09-04	2022-09-04	18:56:08	+0200	168619698	sciencespo	Sciences Po	Watch this an	en	[]	[]	0
152	1566019930	1566019930	2022-09-03	2022-09-03	13:07:01	+0200	168619698	sciencespo	Sciences Po	@science	en	[{'screen_nar	['https://fal.cr	3
153	1565656030	1565656030	2022-09-02	2022-09-02	13:01:00	+0200	168619698	sciencespo	Sciences Po	Quels sont le	fr	[{'screen_nar	['https://fal.cr	1
154	1565625863	1565625863	2022-09-02	2022-09-02	11:01:08	+0200	168619698	sciencespo	Sciences Po	#VendrediLec	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
155	1565293641	1565293641	2022-09-01	2022-09-01	13:01:00	+0200	168619698	sciencespo	Sciences Po	Écouter la pla	fr	[{'screen_nar	['https://fal.cr	0
156	1565273913	1565273913	2022-09-01	2022-09-01	11:42:37	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[]	[]	0

Twitter Data Collection Tutorial

- Perform a basic tweet collection:

```
twint -g="48.880048,2.385939,1km" -o file.csv -csv
```

115	1565613335	1565613335	2022-09-02	2022-09-02	10:11:21	+0200	126244275	stadedereims	Stade de Reir	🚧 CHANGEM	fr	[]	['http://bit.ly/	0
116	1565596636	1565596636	2022-09-02	2022-09-02	09:05:00	+0200	126244275	stadedereims	Stade de Reir	#LaConf	fr	[{'screen_nar	[]	['https://pbs.t
117	1565587829	1565587829	2022-09-02	2022-09-02	08:30:00	+0200	126244275	stadedereims	Stade de Reir	Eric Watted	fr	[]	[]	['https://pbs.t
118	1568887328	1568887328	2022-09-11	2022-09-11	11:01:02	+0200	168619698	sciencespo	Sciences Po	Nathacha	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
119	1568555143	1568555143	2022-09-10	2022-09-10	13:01:03	+0200	168619698	sciencespo	Sciences Po	"There are at	en	[{'screen_nar	['https://fal.cr	['https://pbs.t
120	1568532484	1568532484	2022-09-10	2022-09-10	11:31:00	+0200	168619698	sciencespo	Sciences Po	Découvrez "C	fr	[{'screen_nar	['https://fal.cr	0
121	1568262443	1568262443	2022-09-09	2022-09-09	17:37:58	+0200	168619698	sciencespo	Sciences Po	Feliz anivér	fr	[{'screen_nar	[]	['https://pbs.t
122	1568221968	1568221968	2022-09-09	2022-09-09	14:57:08	+0200	168619698	sciencespo	Sciences Po	En direct de	fr	[{'screen_nar	[]	['https://pbs.t
123	1568162548	1568162548	2022-09-09	2022-09-09	11:01:01	+0200	168619698	sciencespo	Sciences Po	"Le mot "libre	fr	[{'screen_nar	['https://fal.cr	0
124	1568139897	1568139897	2022-09-09	2022-09-09	09:31:00	+0200	168619698	sciencespo	Sciences Po	Rencontre av	fr	[{'screen_nar	['https://fal.cr	0
125	1567906108	1567906108	2022-09-08	2022-09-08	18:02:01	+0200	168619698	sciencespo	Sciences Po	In less than a	en	[{'screen_nar	['https://fal.cr	0
126	1567882439	1567882439	2022-09-08	2022-09-08	16:27:58	+0200	168619698	sciencespo	Sciences Po	"Le fil de la c	fr	[{'screen_nar	[]	['https://pbs.t
127	1567881567	1567880723	2022-09-08	2022-09-08	16:24:30	+0200	168619698	sciencespo	Sciences Po	@pierregouv	en	[]	[]	0
128	1567878888	1567878888	2022-09-08	2022-09-08	16:13:51	+0200	168619698	sciencespo	Sciences Po	La ministre d	fr	[{'screen_nar	[]	['https://pbs.t
129	1567877022	1567877022	2022-09-08	2022-09-08	16:06:26	+0200	168619698	sciencespo	Sciences Po	"Je vous souh	fr	[{'screen_nar	[]	['https://pbs.t
130	1567873317	1567873317	2022-09-08	2022-09-08	15:51:43	+0200	168619698	sciencespo	Sciences Po	Le conseil de	fr	[{'screen_nar	[]	['https://pbs.t
131	1567871819	1567871819	2022-09-08	2022-09-08	15:45:46	+0200	168619698	sciencespo	Sciences Po	"L'actualité n	fr	[{'screen_nar	[]	['https://pbs.t
132	1567870601	1567870601	2022-09-08	2022-09-08	15:40:55	+0200	168619698	sciencespo	Sciences Po	Le directeur c	fr	[{'screen_nar	[]	['https://pbs.t
133	1567848552	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Thursday	en	[]	['https://www	0
134	1567848549	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Jeudi 15/	fr	[{'screen_nar	['https://www	1
135	1567848547	1567848543	2022-09-08	2022-09-08	14:13:17	+0200	168619698	sciencespo	Sciences Po	Mercredi	fr	[{'screen_nar	['https://www	1
136	1567848543	1567848543	2022-09-08	2022-09-08	14:13:16	+0200	168619698	sciencespo	Sciences Po	Atteintes à la	fr	[]	[]	['https://pbs.t
137	1567800836	1567800836	2022-09-08	2022-09-08	11:03:42	+0200	168619698	sciencespo	Sciences Po	97% des adm	fr	[{'screen_nar	['https://www	['https://pbs.t
138	1567770347	1567770347	2022-09-08	2022-09-08	09:02:33	+0200	168619698	sciencespo	Sciences Po	Samedi 17 et	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
139	1567543740	1567543740	2022-09-07	2022-09-07	18:02:05	+0200	168619698	sciencespo	Sciences Po	This year mar	en	[]	['https://fal.cr	['https://pbs.t
140	1567439114	1567439114	2022-09-07	2022-09-07	11:06:21	+0200	168619698	sciencespo	Sciences Po	Pour célébrer	fr	[]	['https://fal.cr	['https://pbs.t
141	1567169504	1567169504	2022-09-06	2022-09-06	17:15:01	+0200	168619698	sciencespo	Sciences Po	Pour quelle r	fr	[{'screen_nar	['https://fal.cr	0
142	1567136056	1567136056	2022-09-06	2022-09-06	15:02:16	+0200	168619698	sciencespo	Sciences Po	How to digiti	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
143	1567106160	1567106160	2022-09-06	2022-09-06	13:03:18	+0200	168619698	sciencespo	Sciences Po	L'écivain	fr	[]	['https://fal.cr	0
144	1567077473	1567077473	2022-09-06	2022-09-06	11:09:19	+0200	168619698	sciencespo	Sciences Po	Retour en im	fr	[{'screen_nar	[]	['https://pbs.t
145	1566843797	1566843797	2022-09-05	2022-09-05	19:40:46	+0200	168619698	sciencespo	Sciences Po	Watch live	en	[{'screen_nar	['https://youtu	['https://pbs.t
146	1566842472	1566842472	2022-09-05	2022-09-05	19:35:30	+0200	168619698	sciencespo	Sciences Po	@sguriev	en	[{'screen_nar	['https://youtu	['https://pbs.t
147	1566803592	1566803592	2022-09-05	2022-09-05	17:01:00	+0200	168619698	sciencespo	Sciences Po	Quel bilan poi	fr	[{'screen_nar	['https://fal.cr	0
148	1566774107	1566774107	2022-09-05	2022-09-05	15:03:51	+0200	168619698	sciencespo	Sciences Po	The Global Le	en	[{'screen_nar	[]	['https://pbs.t
149	1566743194	1566743194	2022-09-05	2022-09-05	13:01:01	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[{'screen_nar	['https://fal.cr	0
150	1566713040	1566713040	2022-09-05	2022-09-05	11:01:11	+0200	168619698	sciencespo	Sciences Po	#FreeFariba T	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
151	1566470178	1566470178	2022-09-04	2022-09-04	18:56:08	+0200	168619698	sciencespo	Sciences Po	Watch this an	en	[]	[]	0
152	1566019930	1566019930	2022-09-03	2022-09-03	13:07:01	+0200	168619698	sciencespo	Sciences Po	@science	en	[{'screen_nar	['https://fal.cr	3
153	1565656030	1565656030	2022-09-02	2022-09-02	13:01:00	+0200	168619698	sciencespo	Sciences Po	Quels sont le	fr	[{'screen_nar	['https://fal.cr	1
154	1565625863	1565625863	2022-09-02	2022-09-02	11:01:08	+0200	168619698	sciencespo	Sciences Po	#VendrediLec	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
155	1565293641	1565293641	2022-09-01	2022-09-01	13:01:00	+0200	168619698	sciencespo	Sciences Po	Écouter la pla	fr	[{'screen_nar	['https://fal.cr	0
156	1565273913	1565273913	2022-09-01	2022-09-01	11:42:37	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[]	[]	0

Twitter Data Collection Tutorial

- Perform a basic tweet collection:

twint -u "POTUS"

115	1565613335	1565613335	2022-09-02	2022-09-02	10:11:21	+0200	126244275	stadedereims	Stade de Reir	🚧 CHANGEM	fr	[]	['http://bit.ly/	0
116	1565596636	1565596636	2022-09-02	2022-09-02	09:05:00	+0200	126244275	stadedereims	Stade de Reir	#LaConf	fr	[{'screen_nar	[]	['https://pbs.t
117	1565587829	1565587829	2022-09-02	2022-09-02	08:30:00	+0200	126244275	stadedereims	Stade de Reir	Eric Wattle	fr	[]	[]	['https://pbs.t
118	1568887328	1568887328	2022-09-11	2022-09-11	11:01:02	+0200	168619698	sciencespo	Sciences Po	Nathacha	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
119	1568555143	1568555143	2022-09-10	2022-09-10	13:01:03	+0200	168619698	sciencespo	Sciences Po	"There are at	en	[{'screen_nar	['https://fal.cr	['https://pbs.t
120	1568532484	1568532484	2022-09-10	2022-09-10	11:31:00	+0200	168619698	sciencespo	Sciences Po	Découvrez "C	fr	[{'screen_nar	['https://fal.cr	0
121	1568262443	1568262443	2022-09-09	2022-09-09	17:37:58	+0200	168619698	sciencespo	Sciences Po	Feliz anivè	fr	[{'screen_nar	[]	['https://pbs.t
122	1568221968	1568221968	2022-09-09	2022-09-09	14:57:08	+0200	168619698	sciencespo	Sciences Po	En direct de	fr	[{'screen_nar	[]	['https://pbs.t
123	1568162548	1568162548	2022-09-09	2022-09-09	11:01:01	+0200	168619698	sciencespo	Sciences Po	"Le mot "libre	fr	[{'screen_nar	['https://fal.cr	0
124	1568139897	1568139897	2022-09-09	2022-09-09	09:31:00	+0200	168619698	sciencespo	Sciences Po	Rencontre av	fr	[{'screen_nar	['https://fal.cr	0
125	1567906108	1567906108	2022-09-08	2022-09-08	18:02:01	+0200	168619698	sciencespo	Sciences Po	In less than a	en	[{'screen_nar	['https://fal.cr	0
126	1567882439	1567882439	2022-09-08	2022-09-08	16:27:58	+0200	168619698	sciencespo	Sciences Po	"Le fil de la c	fr	[{'screen_nar	[]	['https://pbs.t
127	1567881567	1567880723	2022-09-08	2022-09-08	16:24:30	+0200	168619698	sciencespo	Sciences Po	@pierregouv	en	[]	[]	0
128	1567878888	1567878888	2022-09-08	2022-09-08	16:13:51	+0200	168619698	sciencespo	Sciences Po	La ministre d	fr	[{'screen_nar	[]	['https://pbs.t
129	1567877022	1567877022	2022-09-08	2022-09-08	16:06:26	+0200	168619698	sciencespo	Sciences Po	"Je vous souh	fr	[{'screen_nar	[]	['https://pbs.t
130	1567873317	1567873317	2022-09-08	2022-09-08	15:51:43	+0200	168619698	sciencespo	Sciences Po	Le conseil de	fr	[{'screen_nar	[]	['https://pbs.t
131	1567871819	1567871819	2022-09-08	2022-09-08	15:45:46	+0200	168619698	sciencespo	Sciences Po	"L'actualité n	fr	[{'screen_nar	[]	['https://pbs.t
132	1567870601	1567870601	2022-09-08	2022-09-08	15:40:55	+0200	168619698	sciencespo	Sciences Po	Le directeur c	fr	[{'screen_nar	[]	['https://pbs.t
133	1567848552	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Thursday	en	[]	['https://www	0
134	1567848549	1567848543	2022-09-08	2022-09-08	14:13:18	+0200	168619698	sciencespo	Sciences Po	Jeudi 15/	fr	[{'screen_nar	['https://www	1
135	1567848547	1567848543	2022-09-08	2022-09-08	14:13:17	+0200	168619698	sciencespo	Sciences Po	Mercredi	fr	[{'screen_nar	['https://www	1
136	1567848543	1567848543	2022-09-08	2022-09-08	14:13:16	+0200	168619698	sciencespo	Sciences Po	Atteintes à la	fr	[]	[]	['https://pbs.t
137	1567800836	1567800836	2022-09-08	2022-09-08	11:03:42	+0200	168619698	sciencespo	Sciences Po	97% des adm	fr	[{'screen_nar	['https://www	['https://pbs.t
138	1567770347	1567770347	2022-09-08	2022-09-08	09:02:33	+0200	168619698	sciencespo	Sciences Po	Samedi 17 et	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
139	1567543740	1567543740	2022-09-07	2022-09-07	18:02:05	+0200	168619698	sciencespo	Sciences Po	This year mar	en	[]	['https://fal.cr	['https://pbs.t
140	1567439114	1567439114	2022-09-07	2022-09-07	11:06:21	+0200	168619698	sciencespo	Sciences Po	Pour célébrer	fr	[]	['https://fal.cr	['https://pbs.t
141	1567169504	1567169504	2022-09-06	2022-09-06	17:15:01	+0200	168619698	sciencespo	Sciences Po	Pour quelle r	fr	[{'screen_nar	['https://fal.cr	0
142	1567136056	1567136056	2022-09-06	2022-09-06	15:02:16	+0200	168619698	sciencespo	Sciences Po	How to digiti	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
143	1567106160	1567106160	2022-09-06	2022-09-06	13:03:18	+0200	168619698	sciencespo	Sciences Po	L'écivain	fr	[]	['https://fal.cr	0
144	1567077473	1567077473	2022-09-06	2022-09-06	11:09:19	+0200	168619698	sciencespo	Sciences Po	Retour en im	fr	[{'screen_nar	[]	['https://pbs.t
145	1566843797	1566843797	2022-09-05	2022-09-05	19:40:46	+0200	168619698	sciencespo	Sciences Po	Watch live	en	[{'screen_nar	['https://youtu	['https://pbs.t
146	1566842472	1566842472	2022-09-05	2022-09-05	19:35:30	+0200	168619698	sciencespo	Sciences Po	@sguriev	en	[{'screen_nar	['https://youtu	['https://pbs.t
147	1566803592	1566803592	2022-09-05	2022-09-05	17:01:00	+0200	168619698	sciencespo	Sciences Po	Quel bilan poi	fr	[{'screen_nar	['https://fal.cr	0
148	1566774107	1566774107	2022-09-05	2022-09-05	15:03:51	+0200	168619698	sciencespo	Sciences Po	The Global Le	en	[{'screen_nar	[]	['https://pbs.t
149	1566743194	1566743194	2022-09-05	2022-09-05	13:01:01	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[{'screen_nar	['https://fal.cr	0
150	1566713040	1566713040	2022-09-05	2022-09-05	11:01:11	+0200	168619698	sciencespo	Sciences Po	#FreeFariba T	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
151	1566470178	1566470178	2022-09-04	2022-09-04	18:56:08	+0200	168619698	sciencespo	Sciences Po	Watch this an	en	[]	[]	0
152	1566019930	1566019930	2022-09-03	2022-09-03	13:07:01	+0200	168619698	sciencespo	Sciences Po	@science	en	[{'screen_nar	['https://fal.cr	3
153	1565656030	1565656030	2022-09-02	2022-09-02	13:01:00	+0200	168619698	sciencespo	Sciences Po	Quels sont le	fr	[{'screen_nar	['https://fal.cr	1
154	1565625863	1565625863	2022-09-02	2022-09-02	11:01:08	+0200	168619698	sciencespo	Sciences Po	#VendrediLec	fr	[{'screen_nar	['https://fal.cr	['https://pbs.t
155	1565293641	1565293641	2022-09-01	2022-09-01	13:01:00	+0200	168619698	sciencespo	Sciences Po	Écouter la pla	fr	[{'screen_nar	['https://fal.cr	0
156	1565273913	1565273913	2022-09-01	2022-09-01	11:42:37	+0200	168619698	sciencespo	Sciences Po	Découvrez le	fr	[]	[]	0

Twitter Data Collection Tutorial

Explore the documentation: <https://github.com/twintproject/twint> !

Twitter Data Collection Tutorial

Explore with the Python language

- <https://osintfr.com/en/ukraine-twitter-analysis-twint-gephi-tutorial/>
- <https://pub.towardsai.net/getting-valuable-insights-and-visualizations-from-tweets-using-python-and-twint-28d9f9eb9128>

Questions on Digital Explorations

Questions on Digital Explorations

Homework

- optional — watch The Social Dilemma
 - <https://www.thesocialdilemma.com>
- read First Draft's guide to fake news:
 - <https://firstdraftnews.org/articles/fake-news-complicated/>
- think about what type of information you see rarely on social media

To go further

THE *NEW YORK TIMES* BESTSELLER

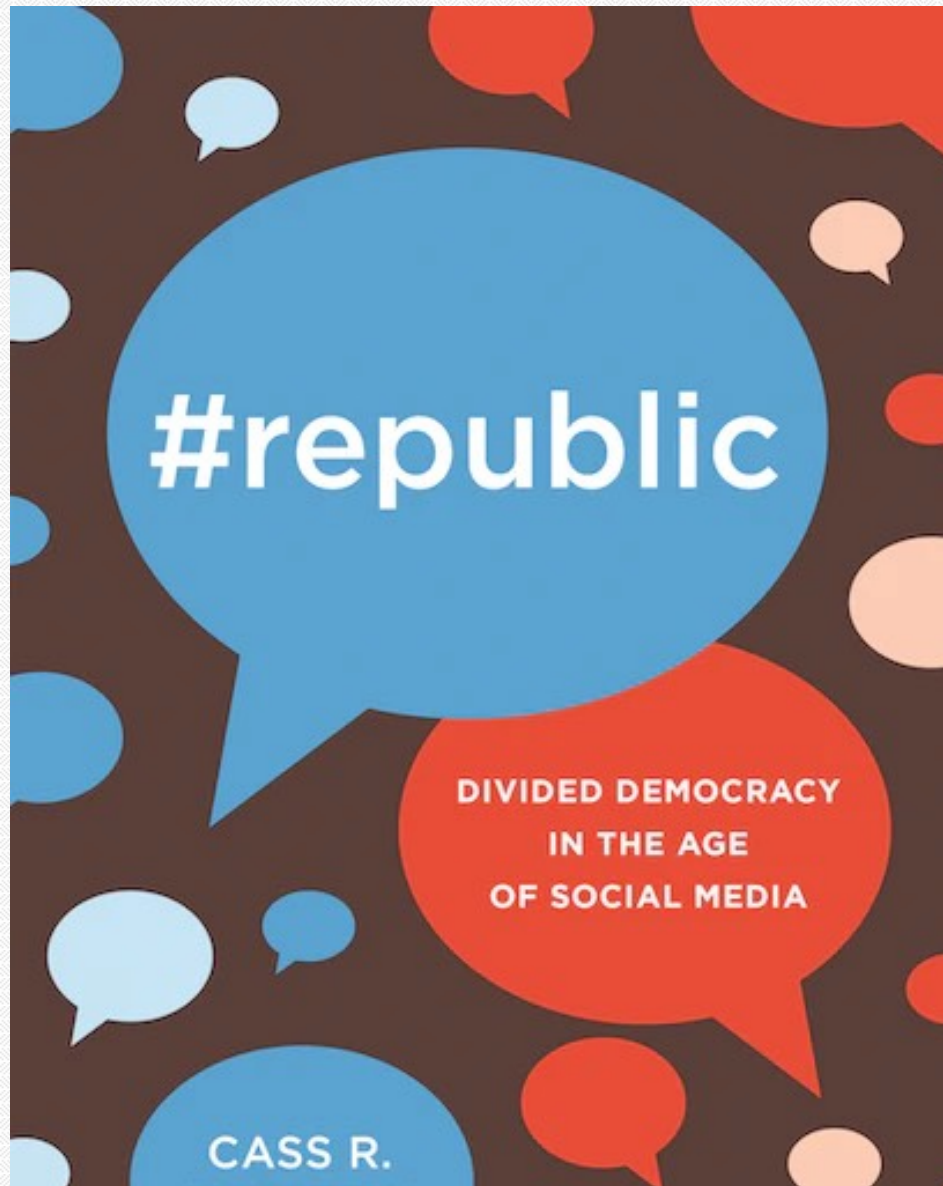
THE FILTER BUBBLE

What the Internet is
Hiding from You



'Astonishing'
Andrew Marr

To go further



Thank you!