

public datalab.org

Public Data Lab

The Polic data Lab seeks to facilitate research, descratic seggement and public obsists around the feture of the data sectory.

We want to investige and discontains insensity research, reaching, design and participation forwards for the creation and use of mobile data. We were to collaboration with a interedisciplancy research of researchers, the collaboration with a interedisciplancy research of researchers, the collaboration with the property research of property of the collaboration around social, positional, research and excellent by an interest time;

Public Data Lab and the "Fake News crisis"

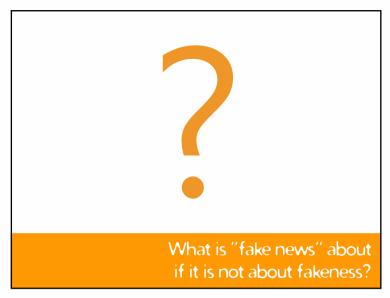
Public Data Lab and the "Fake News crisis"

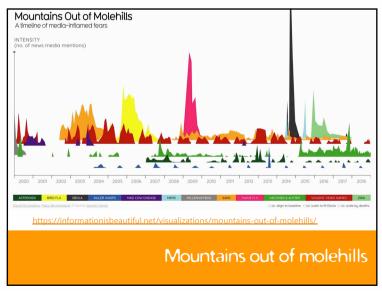
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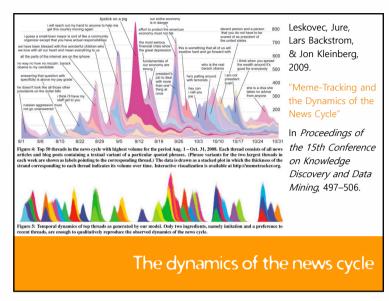
According to the literature, the notion of fake news is

- 1. Vague
- 2. Undistinguishable from past forms of misinformation
- 3. Charged with a simplistic idea of journalistic truth
- 4. Politically dangerous

4 reasons to stay clear of "fake news"







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What we are considering here, however, are the psychic and social consequences of the designs or patterns as they amplify or accelerate existing processes. For the "message" of any medium or technology is the change of scale or pace or pattern that it introduces into human affairs.

The railway did not introduce movement or transportation or wheel or road into human society, but it accelerated and enlarged the scale of previous human functions, creating totally new kinds of cities and new kinds of work and leisure.

McLuhan, Marshall. 1964. Understanding Media: The Extensions of Man.

New York: McGraw-Hill.



"It isn't that I don't like current events. There have just been so many of them lately."

McLuhan, Marshall, and Quentin Fiore. 1967. The Medium Is the Massage. Gingko Press.

Media acceleration & amplification

McLuhan, Marshall. 1964. Understanding Media: The Extensions of Man

The psychic and social consequences of the designs or patterns as they amplify or accelerate existing processes.

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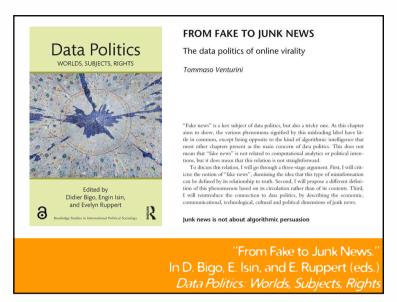
trendiness hype & junk news bubble bubbles

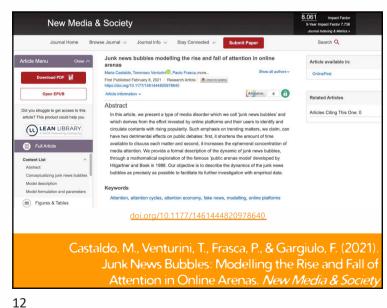
media ephemerality & secondary orality

Media acceleration—amplification and its consequence

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Junk News Bubbles

an attention regime in which

- few items attracts large shares of collective attention
- but are incapable of sustaining it for a long time

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$$\hat{\pi}_{t+1}^i = \max(\pi_t^i + \alpha(\pi_t^i - \pi_{t-1}^i) + x, 0)$$

$$\pi_t^i = \frac{\hat{\pi}_t^i}{\sum_j \hat{\pi}_t^j}$$

A junk news bubble toy-model

The Rise and Fall of Social Problems: A Public Arenas Model¹

Stephen Hilgartner Columbia University

Charles L. Bosk University of Pennsylvania

This paper develops a model of the process through which social problems rise and fall. Treating public attention as a scarce resource, the model emphasizes competition and selection in the media and other arenas of public discourse. Linkages among public arenas produce feedback that drives the growth of social problems. Growth is constrained by the finite "carrying capacities" of public arenas, by competition, and by the need for sustained drama. The tension between the constraints and forces for growth produces successive waves of problem definitions, as problems and those who promote them compete to enter and to remain on the public agenda. Suggestions for empirical tests of the model are specified.

In its most schematic form, our model has six main elements:

- the institutional arenas that serve as "environments" where social problems compete for attention and grow:
- the "carrying capacities" of these arenas, which limit the number of problems that can gain widespread attention at one time;
- the "principles of selection," or institutional, political, and cultura factors that influence the probability of survival of competing problem formulations:
- a dynamic process of competition among the members of a very large "population" of social problem claims;⁵
- patterns of interaction among the different arenas, such as feedback and synergy, through which activities in each arena spread throughout the others; and
- the networks of operatives who promote and attempt to control particular problems and whose channels of communication crisscross the different arenas.

Hilgartner, S. & Bosk, C. 1988 The Rise and Fall of Social Problems: A Public Arenas Model *American Journal of Sociology* 94 (1)

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The popularity (π) of each content (i) is defined at each time (t) by

$$\hat{\pi}_{t+1}^{i} = \max(\pi_t^i + \alpha(\pi_t^i - \pi_{t-1}^i) + x, 0)$$

$$\pi_t^i = \frac{\hat{\pi}_t^i}{\sum_j \hat{\pi}_t^j}$$

A junk news bubble toy-model

The popularity (π) of each content (i) is defined at each time (t+1) by

its increment of t-1

 $\hat{\pi}_{t+1}^i = \max(\pi_t^i + \alpha(\pi_t^i - \pi_{t-1}^i) + x, 0)$

1. Boost of trending topics

$$\pi_t^i = \frac{\hat{\pi}_t^i}{\sum_j \hat{\pi}_t^j}$$

A junk news bubble toy-model

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1. Boost of trending topics

$$\hat{\pi}_{t+1}^i = \max(\pi_t^i + \alpha(\pi_t^i - \pi_{t-1}^i) + x, 0)$$

new popularity

2. No negative attention

$$\pi_t^i = \frac{\hat{\pi}_t^i}{\sum_j \hat{\pi}_t^j}$$

A junk news bubble toy-model

 $x \sim \mathcal{N}(0, 1/2n)$

plus a random factor (x)

$$\hat{\pi}_{t+1}^{i} = \max(\pi_{t}^{i} + \alpha(\pi_{t}^{i} - \pi_{t-1}^{i}) + x, 0)$$

1. Boost of trending topics

$$\pi_t^i = \frac{\hat{\pi}_t^i}{\sum_j \hat{\pi}_t^j}$$

A junk news bubble toy-model

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1. Boost of trending topics

$$\hat{\pi}_{t+1}^i = \max(\pi_t^i + \alpha(\pi_t^i - \pi_{t-1}^i) + x, 0)$$

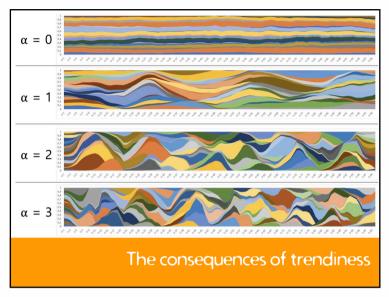
2. No negative attention

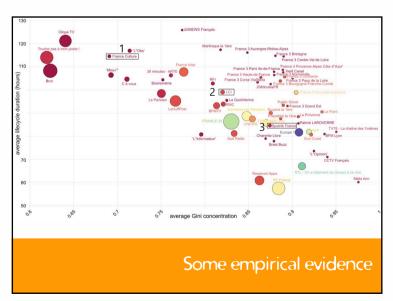
$$\pi_t^i = rac{\hat{\pi}_t^i}{\sum_i \hat{\pi}_t^j}$$

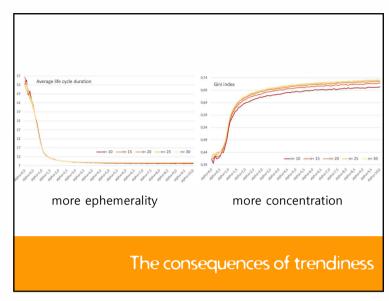
After increment, the popularity (π) of each item (i) is divided by the sum of all popularities so that they sum is always 1 3. Inelasticity of total attention

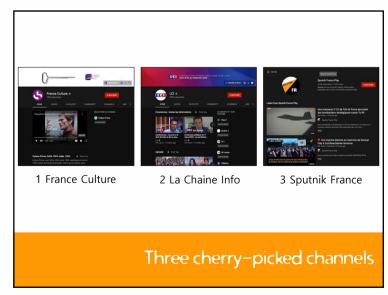
total attention

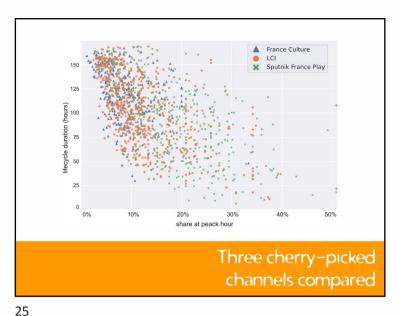
A junk news bubble toy-model

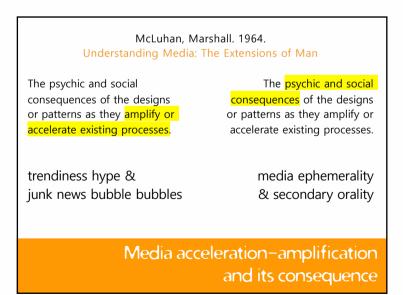


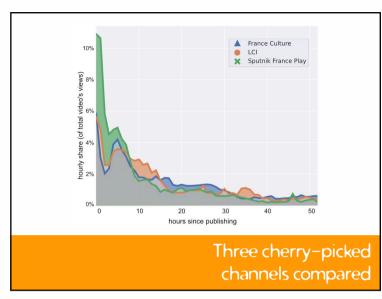












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"This conception and organization [contemporary attention economy] has caused the processes of individuation that connect psychic and social life to be short-circuited, resulting in the destructive hegemony of the short term over the long term" (p. 12)

Terranova, Tiziana. 2012.

"Attention, Economy and the Brain."

Culture Machine 13: 1–19.

attention economy and the curse of ephemerality

Goody, Jack, and Ian Watt. 1963. "The Consequences of Literacy" Comparative Studies in Society and History 5(3): 304–345.

"as Oswald Spengler put it, 'writing... implies a complete change in the relations of man's waking-consciousness, in that it liberates tyranny of the present ... the activity of writing and reading is in abstract than that of speaking and hearing' " (p. 330)

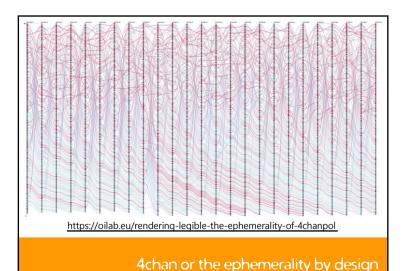
Ong, Walter S. J. 1982.

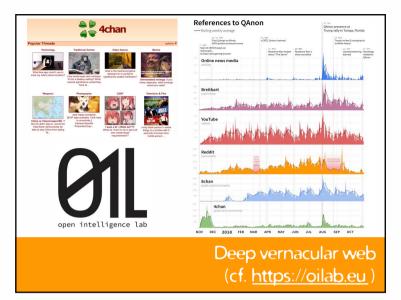
Orality and Literacy - The Technologizing of the Word. London: Methuen.

"Sound exists only when it is going out of existence. It is not simply perishable but essentially evanescent, and it is sensed as evanescent. When I pronounce the word 'permanence', by the time I get to the 'pence', the 'perma-' is gone, and has to be gone." (pp. 31, 32).

Oral cultures and the curse of ephemerality

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Ong, Walter S. J. 1982.

Orality and Literacy - The Technologizing of the Word. Methuen.

"Our understanding of the differences between orality and literacy developed only in the electronic age, not earlier. Contrasts between electronic media and print have sensitized us to the earlier contrast between writing and orality. The electronic age is also an age of 'secondary orality', the orality of telephones, radio, and television, which depends on writing and print for its existence." (p. 2)

"Telephone, radio, television and various kinds of sound tape, electronic technology has brought us into the striking age of 'secondary orality!" (p. 133)

"Various kinds of residual orality as well as the 'literate orality' of the secondary oral culture induced by radio and television await in-depth study." (p. 156)

Secondary orality

Ong, Walter S. J. 1982. Orality and Literacy.

This new orality has resemblances to the old in its [3] participatory mystique, communal sense, its concentration on the present moment, and even its [2] use of formulas. (p. 133)

- [1] Redundant or 'copious'
- [4] Agonistically toned
- Empathetic and not objectively distanced
- [5] Aggregative rather than analytic
- Additive rather than subordinate
- Close to the human lifeworld
- Situational rather than abstract
- Homeostatic
- Conservative or traditionalist

McLuhan, Marshall. 1964. Understanding Media: The Extensions of Man.

Radio provides a speed-up of information that also causes acceleration in other media. It certainly contracts the world to village size, and creates

[4] insatiable village tastes for gossip, rumor, and personal malice (p. 306)

Five among the features of secondary orality

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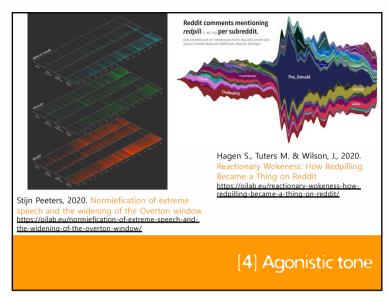
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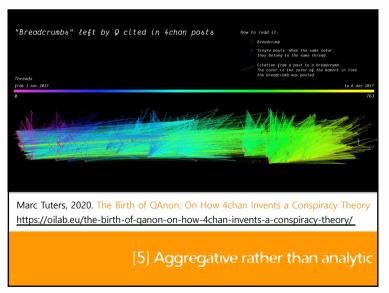
OILAB., 2018. The Baker's Guild: The Secret Order Countering 4chan's Affordances https://oilab.eu/the-bakers-guild-the-secret-order-countering-4chans-affordances/.

**The Secret Order Countering 4chans and the secret of the s





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Muirhead, Russel & Nancy Rosenblum. 2019. *A Lot of People Are Saving*. Princeton: University Press.

The new conspiracism is something different. There is no punctilious demand for proofs, no exhaustive amassing of evidence, no dots revealed to form a pattern, no close examination of the operators plotting in the shadows...

This is conspiracy without the theory. What validates the new conspiracism is not evidence but repetition

[5] Aggregative rather than analytic

