Fame and fate: Why is global success so unpredictable?

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Principles of Complex Systems, Vols. 1, 2, & 3D CSYS/MATH 300, 303, & 394, 2022-2023 | @pocsvox

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Outline

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Superspreading

References

The most famous painting in the world:



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Twelve ...

of Eastern Europe:

The dismal predictive powers of editors

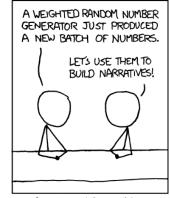


The completely unpredicted fall

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unpredictable?

Reason 1—We are Homo Narrativus.



ALL SPORTS COMMENTARY

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http://xkcd.com/904/

Reason 2—"We are all individuals."

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Archival footage:

Individual narratives are not enough to understand distributed, networked minds.

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Reason 3—We are spectacular imitators.

BBC/David Attenborough.

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- 1. Sparks start fires.
- 2. System properties control a fire's spread.

Timur Kuran: [3] "Now Out of Never: The Element of

Surprise in the East European Revolution of 1989"

We understand bushfire stories:

3. But we make two mistakes about Social Fires...



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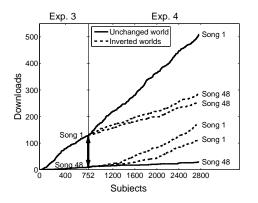
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Mistake 1: Success is due to intrinsic properties

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Payola/Deceptive advertising hurts us all:



See "Becoming Mona Lisa" by David Sassoon ☑



"An experimental study of inequality and unpredictability in an artificial cultural

Salganik, Dodds, and Watts,

Science, **311**, 854–856, 2006. [4]

Exp 1— weak social

market"

Resolving the paradox:

48 songs 30k participants

Exp. 2—strong social

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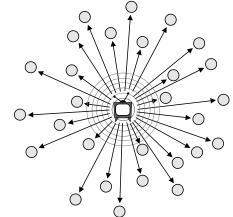
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Mistake 2: Seeing success is 'due to social' and belong to us'

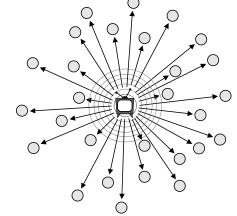


The hypodermic model of influence:

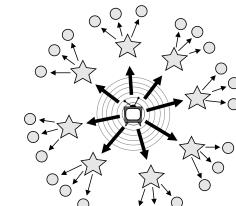


wanting to say 'all your interactions are

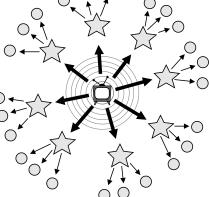




The two step model of influence: [2]



The network model of influence:



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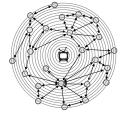
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"Influentials, Networks, and Public Opinion Formation"

Watts and Dodds, J. Consum. Res., **34**, 441–458, 2007. [5]



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Stronger inequality + Less predictability.

Increased social awareness leads to

Rank: m_{indep}

48

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Things that spread quickly:







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+ News ...

buzzfeed.com <a>C:



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in the sociology of knowledge" 3, 2 by Berger and Luckmann (1991). [1]

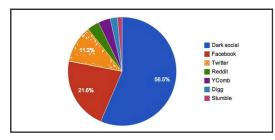
The social construction of reality: A treatise

Reality is socially constructed . to some hard-to-measure degree.

People do and don't see this: Fate versus Fortune.

Spreading in the social wild:

The Dark Social Web



Oscar Wilde, The Picture of Dorian Gray

Picture of Dorian Gray. COMPLETE.

MONTHLY MAGAZINE

CONTENTS

PRICE TWENTY-FIVE J:B:LIPPINCOTT:C2:PHILADELPHIA

"The only real way to optimize for social spread is in the nature of the content itself. There's no way to game email or people's instant messages. There's no power users you can contact. There's no algorithms to understand. This is pure social, uncut. [sic]"

Dark Social: We Have the Whole History of the Web

A completely made up pie chart:

Fate—from the Latin fatus: meaning "spoken".

- Fate is talk that has been done. "It is written", fore-tell, pre-dict.
- There is no such thing as fate, only the story of fate."
- Destiny is probablistic.

Etymological clarity:

- Fame—from the Latin fāma: meaning "to talk."
- & Fame is inherently the social discussion about the thing, not the thing itself.
- Renown ☑: Repeatedly named, talked about. Old French renon, from re- + non ("name").
- & Réclame ☑. "Clamo"—Proto-Indo-European: "to shout" (again). Connected to "lowing".

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"There is only one

thing in the world

worse than being

talked about,

and that is not being talked

about."

How to make things spread (maybe):

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Shareworthy Content is King:

- 1. Build entities/messages/stories that have intrinsic and social value out in the Social Wild.
- 2. Advertise but lay off the social interactions.
- 3. Just keep trying.

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Penguin UK, 1991.

[2] E. Katz and P. F. Lazarsfeld. Personal Influence.

The Free Press, New York, 1955.

[3] T. Kuran.

Now out of never: The element of surprise in the east european revolution of 1989. World Politics, 44:7–48, 1991. pdf ☑

[4] M. J. Salganik, P. S. Dodds, and D. J. Watts. An experimental study of inequality and unpredictability in an artificial cultural market.

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Science, 311:854-856, 2006. pdf

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Journal of Consumer Research, 34:441–458, 2007. pdf 🗹



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