

## Munmun De Choudhury

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Week 5 | February 8, 2023

## Proposal Presentation Specs

- Signup for a presentation slot by Friday
  - First come first serve
- Email the slides to the TA and me by 11:59pm ET the night before your scheduled presentation.
  - PDF format only

#### Structure:

- What is the problem
- Why is it important
- What has been done so far
- Are there any/what are the gaps in this prior research?
- How does your project close these gaps/extend current state of the art

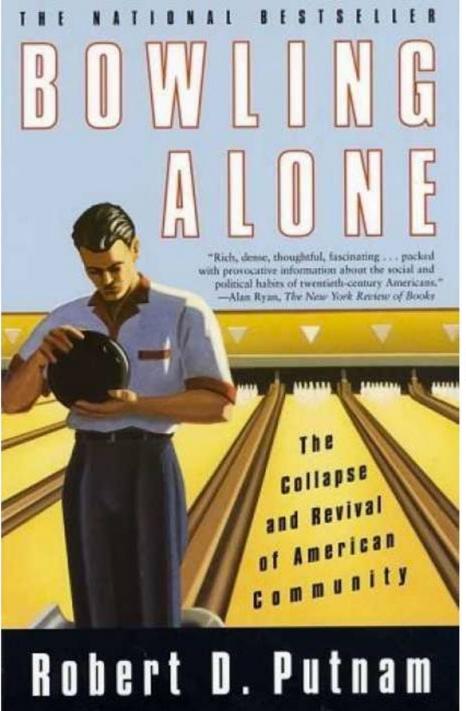
## Social Capital Focuses on:

- Who knows Whom
- The Character of these Networks
- The Strength of our Ties
- Levels of Trust
- Levels of Reciprocity

Social capital broadly refers to the resources accumulated through the relationships among people (Coleman, 1988).

Bourdieu and Wacquant (1992) define social capital as "the sum of the resources, actual or virtual, that accrue to an individual or a group by virtue of possessing a durable network of more or less institutionalized relationships of mutual acquaintance and recognition" (p. 14).

Social capital is defined as "social networks and the associated norms of reciprocity and trust that arise from those networks" (Putnam, 2000)





Rise and Decline of League Bowling



Figure 26: The Rise and Decline of League Bowling

## Bonding and bridging social capital (Putnam)

### I. Bonding (Putnam)

- Generated by strong ties. Considered essential in every society. Concerns over loss of bonding social capital prevalent in related scholarship (see also our earlier notes on communities)
- ▶ Bonging social capital is the effect of maintaining strong ties

## 2. Bridging (Putnam)

- Weak ties at play; 'bridges' more essential than other weak ties. Complementing or making up for loss of strong ties and increasing in importance in modern urban societies and CMC
- Bridging social capital is the effect of maintaining bridges

# Putnam's book was controversial – he disregarded newer organizations and forms of social capital

Critics like sociologist Claude
Fischer said that "Putnam
neglects the emergence of new
forms of supportive organizations
on and off the Internet"

Why is it important or relevant to study social capital in this class?

The Benefits of Facebook
"Friends:" Social Capital and
College Students' Use of
Online SNS

## Dimensions of social capital

### I. Bonding (Putnam)

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## 2. Bridging (Putnam)

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- Bridging social capital is the effect of maintaining bridges

#### Maintained (Ellison et al.)

 Social capital salvaged by CMC after physical disconnection from offline social network (implies some social capital lost by physical disconnection, e.g., move to another place for work or study) H1: Intensity of Facebook use will be positively associated with individuals' perceived bridging social capital.

H2: Intensity of Facebook use will be positively associated with individuals' perceived bonding social capital.

H<sub>3</sub>a: The relationship between intensity of Facebook use and bridging social capital will vary depending on the degree of a person's self esteem.

H<sub>3</sub>b: The relationship between intensity of Facebook use and bridging social

capital will vary depending on the degree of a person's satisfaction with life.

H4a: The relationship between intensity of Facebook use and bonding social capital will vary depending on the degree of a person's self esteem. H4b: The relationship between intensity of Facebook use and bonding social

capital will vary depending on the degree of a person's satisfaction with life.

## Thoughts and additional findings

- Main target audience for Facebook profile seem to be old friends and then current friends and acquaintances from immediate environment; but strongest results of study are with respect to the effects of weak ties (bridging social capital)
  - Possible interpretation: users maintain FB pages for their friends and closer circle of acquaintances but FB is actually most helpful in the management of weak ties
- FB more valuable in bridging for users with low self-esteem and/or dissatisfaction with professional and/or social environment
  - Possible interpretation: CMC helps users overcome social or psychological barriers to communication

## Class Activity 1

Ellison et al. focus on the role of Facebook in bridging and bonding social capital. Do the findings extend to other platforms as well? Give examples of bonding/bridging social capital on a social media platform (Instagram), an online forum (Reddit), and an anonymous / ephemeral site (Snapchat).

Ellison et al. use college students as participants. How could this attribute have affected the findings? E.g., there's a strong case of college students wanting to maintain social capital with friends from high school. But how does this generalize to other populations or settings?

Does algorithmic design impact how people derive benefits from social capital? E.g., curation of items on the News Feed



News

Culture

**Books** 

**Business & Tech** 

Humor

Cartoons

Magazine

Video

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#### **ELEMENTS**

#### HOW FACEBOOK MAKES US UNHAPPY



By Maria Konnikova September 10, 2013









No one joins Facebook to be sad and lonely. But a new study from the University of Michigan psychologist Ethan Kross argues that that's exactly how it makes us feel. Over two weeks, Kross and his colleagues sent text messages to eighty-two Ann Arbor residents five times per day. The researchers wanted to



know a few things: how their subjects felt overall, how worried and lonely they were, how much they had used Facebook, and how often they had had direct interaction with others since the previous text message. Kross found that the more people used Facebook in the time between the two texts, the less happy they felt—and the more their overall satisfaction declined from the beginning of the study until its end. The data, he argues, shows that Facebook was making them unhappy.

Ellison et al. also found that Facebook usage was found to interact with measures of psychological well-being. How does it contrast with the perception of today that Facebook makes people depressed?

Research into the alienating nature of the Internet—and Facebook in particular —supports Kross's conclusion. <u>In 1998</u>, Robert Kraut, a researcher at Carnegie Mellon University, found that the more people used the Web, the lonelier and more depressed they felt. After people went online for the first time, their sense of happiness and social connectedness dropped, over one to two years, as a function of how often they used the Internet.

Journal of Computer-Mediated Communication

#### The Benefits of Facebook "Friends:" Social

**Capital and College Students' Use of Online Social Network Sites** 

Nicole B. Ellison Charles Steinfield Cliff Lampe

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

#### Social Network Activity and Social Well-Being

#### Moira Burke

Human-Computer Interaction Institute Carnegie Mellon University 5000 Forbes Ave., Pittsburgh, PA 15213 **Cameron Marlow and Thomas Lento** Facebook 1601 S. California Ave. Palo Alto, CA 94301

{cameron, lento}@facebook.com [4,15], which is based on self-reports of time online and of friends, along with six attitude items like book has become part of my daily routine." One of the

of this study is to determine how well people self-report values by comparing them with Facebook activity logs.

ew exceptions [14], these kinds of studies have focused

llege students, and so we also test whether previous

gs generalize to older users and those outside the U.S.

#### ORIGINAL ARTICLE

<sup>1</sup>The Dartmouth Institute for Health Policy

DOI: 10.1111/eip.12496

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Exploring opportunities to support mental health care using social media: A survey of social media users with mental illness

John A. Naslund<sup>1,2,3</sup> | Kelly A. Aschbrenner<sup>2,4</sup> | Gregory J. McHugo<sup>4</sup> | Jürgen Unützer<sup>5</sup> | Lisa A. Marsch<sup>3,4</sup> | Stephen J. Bartels<sup>1,2,6</sup>

WILEY

CSCW'19, November 9-13, 2019, Austin, TX, USA

#### Social Media as Social Transition Machinery

OLIVER L. HAIMSON, University of Michigan School of Information, USA

Social media, and people's online self-presentations and social networks, add complexity to people's experiences managing changing identities during life transitions. I use gender transition as a case study to understand how people experience liminality on social media. I qualitatively analyzed data from transition blogs on Tumblr (n=240), a social media blogging site on which people document their gender transitions, and in-depth interviews with transgender bloggers (n=20). I apply ethnographer van Gennep's liminality framework to a social media context and contribute a new understanding of liminality by arguing that reconstructing one's online identity during life transitions is a rite of passage. During life transitions, people present multiple identities simultaneously on different social media sites that together comprise what I call social transition machinery. Social transition machinery describes the ways that, for people facing life transitions, multiple social media sites and networks often remain separate, yet work together to facilitate life transitions.

Aim: Social media h for young people w who self-identified a health and to identif Methods: We asked ness to participate pants' mental health mental health progra

#### Social Technologies for Digital Wellbeing among Marginalized **Communities**

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(De Choudhury, Kiciman, Dredze, Coppersmith, Kumar CHI 2016)

## Online Social Support Alleviates Risk of Suicidal

Ideation

[-] badasset312 3 points 12 hours ago

This post very relatable to me as well. Feel better friend, I'm rooting for you.

permalink embed

permalink embed

[-] emb13 4 points 12 hours ago

i am in a similar situation i have 0 friends because of pretty awful social anxiety. i have no one to do things with, so i am completely depressed and bored with life right now. i'd like to think things will get better someday, but i've been saying that to myself for years. at least we're alone together \_\_("\")\_/

Why does no one like me? (self.depression) submitted 13 hours ago by

I feel invisible so often; like an extra in a movie, always on the sidelines. I don't have any genuine friends, just acquaintances. And not even just friends, I haven't had a genuine conversation with anyone of the opposite gender in years. The worst part is that I delude myself into thinking I have a chance with people who are out of my league. I just feel so alone.

comments share



## Lawmakers confront TikTok, Snapchat and YouTube about eating disorder content

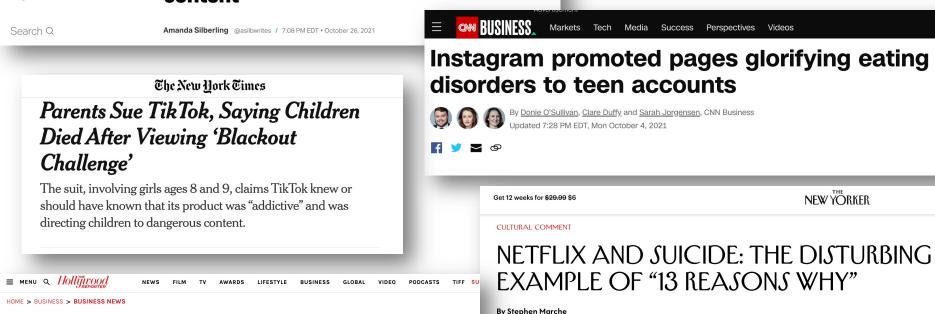
Instagram, Snapchat, TikTok Cause Mental Health

The plaintiffs take aim at social media platforms' product features, alleging that the companies amplify dangerous

Problems in Teens, Lawsuits Claim

content that prioritizes engagement over safety.

BY WINSTON CHO [1] AUGUST 18, 2022 3:18PM

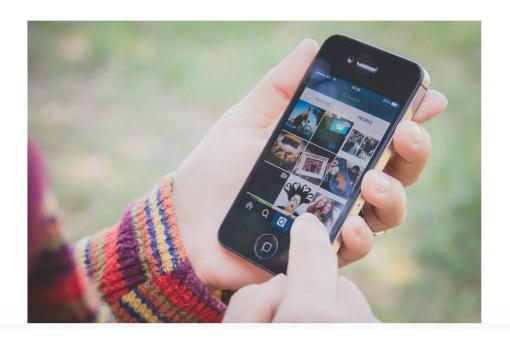


May 6, 2019



BUSINESS 14.03.2016 04:04 PM

### Instagram's pro-anorexia ban made the problem worse



## Social influence – a critical construct of social networks

Why are certain things more contagious than others? Why are certain things more popular or catchy? How does the social network facilitate such contagion? The International No. 1 Bestseller

## TIPPING PING POINT

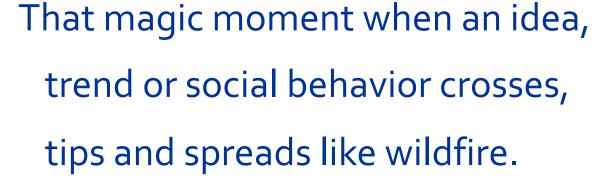


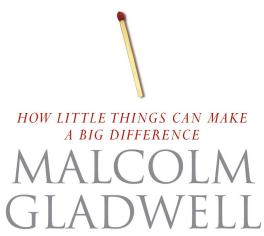
HOW LITTLE THINGS CAN MAKE A BIG DIFFERENCE

## MALCOLM GLADWELL

## What is the Tipping Point?







# Is she worth \$10,000 per tweet? Kim Kardashian earns big money using her Twitter account to advertise to her 2million fans

By DAILY MAIL REPORTER

**UPDATED:** 11:16 EDT, 24 December 2009











Some might question her apparent celebrity status, however Kim Kardashian certainly seems to have acquired some pulling power.

According to a report out this week, the U.S. socialite allegedly commands up to \$10,000 (£6,300) for every tweet she posts on her Twitter account as part of her contract with in-stream advertising company Ad.ly.

Kim, 29, is the highest earner on the company's books and the most popular on their roster of celebrity tweeters.



**BACK TO BLOG** 

#### Your Facebook Posts Will Probably Go Viral if You **Follow These 5 Steps**

**FACEBOOK** 













ABOUT THE AUTHOR

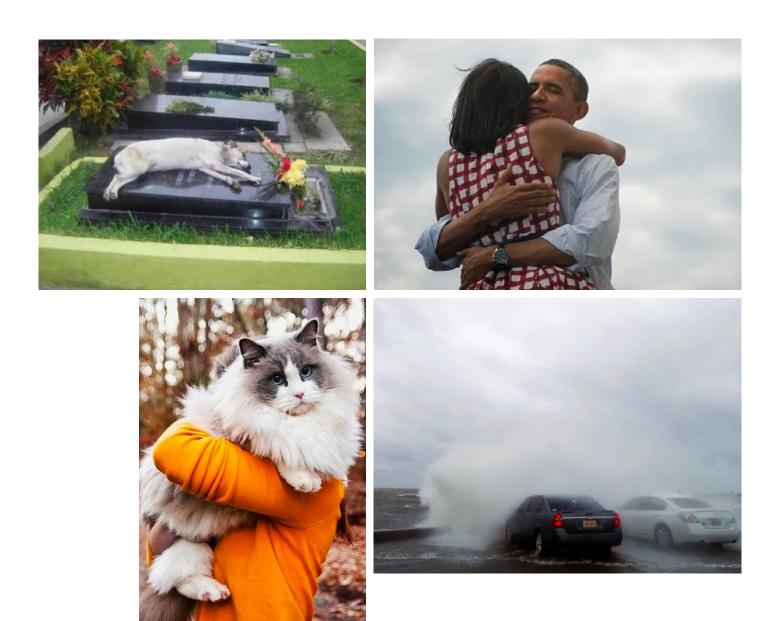
Aaron Lee is the Founder of AskAaronLee.com & ShortofHeight.com, a fashion blog that shares style for short men. Follow him on Twitter at @askaaronlee

Do you want your Facebook posts to go viral?

Of course you do.

Who wouldn't want to dramatically increase the reach of their posts?!

## QUIZ: Which of these Facebook photos went viral?



## Everyone's an Influencer: Quantifying Influence on Twitter



## **FAST OMPANY**

02-01-08 | CHANGE AGENTS

## Is the Tipping Point Toast?

Marketers spend a billion dollars a year targeting influentials. Duncan Watts says they're wasting their money.



BY CLIVE THOMPSON LONG READ







#### **▼**MORE LIKE THIS

Pittsburgh is ready for takeoff

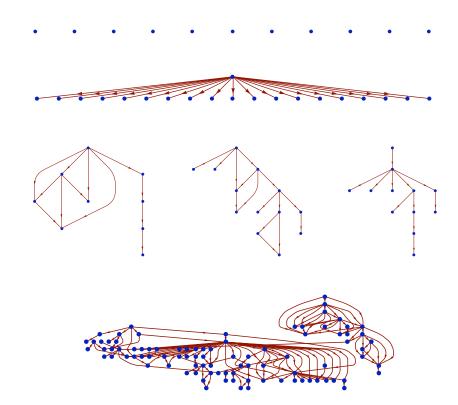
Tata Harper, cofounder and co-CEO of Tata Harper, shares her media diet

The song that Ceremonia founder Babba Rivera plays for a mellow morning

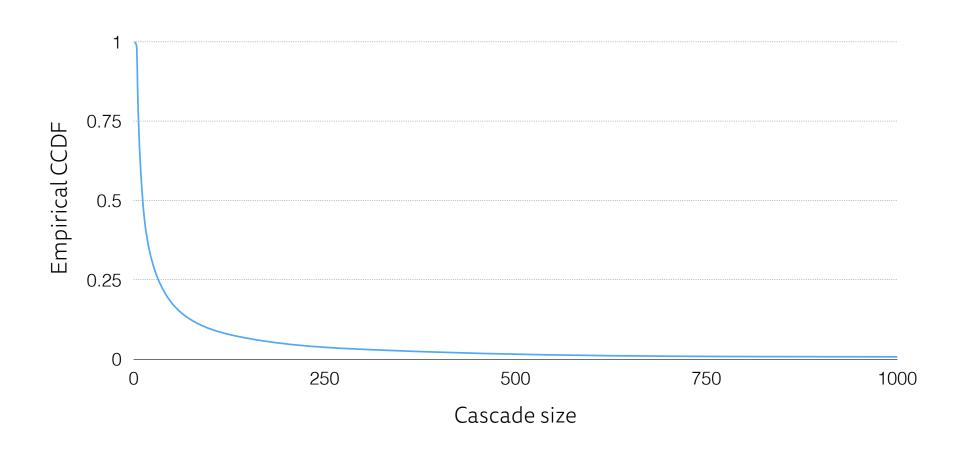
Don't get Duncan Watts started on the Hush Puppies. "Oh, God," he groans when the subject comes up. "Not them." The Hush Puppies in question are the ones that kick off *The Tipping Point*, Malcolm Gladwell's best-seller about how trends work. As Gladwell tells it, the fuzzy footwear was a dying brand by late 1994–until a few New York hipsters brought it back from the brink. Other fashionistas followed suit, whereupon the cool kids copied them, the less-cool kids copied them, and so on, until, voilà! Within two years, sales of Hush Puppies had exploded by a stunning 5,000%, without a penny spent on advertising. All because, as Gladwell puts it, a tiny number of superinfluential types ("Twenty? Fifty? One hundred–at the most?") began wearing the shoes.

## Summary

- Diffusion of URLs on Twitter
  - Easy to be traced back to the originating user through the follower graph

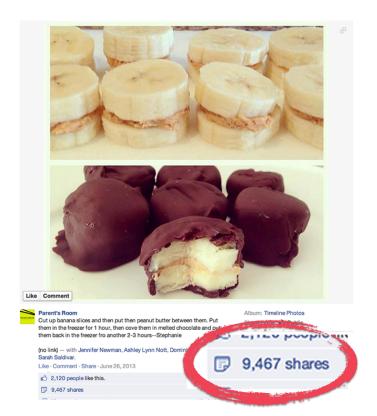


## Difficulty #1 Large cascades are rare



## Difficulty #2 Same content, different popularity





What intuition may explain why large number of followers does not necessarily imply greater influence?