

IMC and Advertising Discussion



Results

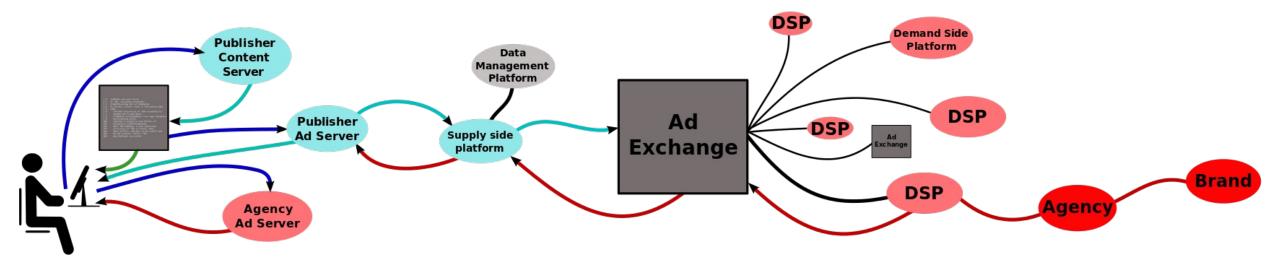
How can we measure the success of a marketing communication strategy?

- Traditional media
 - Frequency of exposure
 - Reach (% target population exposed)
 - Gross Rating Points (GRP)
 - E.g., 7 Ads in a Magazine, which reach 50% target segment, then GRP = 7 x 0.5 = 350
- Web
 - Time spent on page, page views, clicks, where users come from, etc.



Online Advertising

https://en.wikipedia.org/wiki/Online_advertising



- **1. Publisher:** integrates advertisements into its online content
- 2. Advertiser Agency: creates the ad
- **3. Ad Exchange:** platform that facilitates the buying and selling of media advertising inventory from multiple ad networks



Google AdWords

• <u>AdWords</u>

- <u>Video 1</u>, <u>Video 2</u> (more recent)
- <u>Three House Brothers example</u>

Google	nike pegasus 34						. Q
	All	Shopping	Images	News	Videos	More	Settings Tools
	About	t 1,560,000 rest	ults (0.59 sec	onds)			
	Ad v 4.2 ★ Shop You'v	www.nike.com **** rating New Air Zoom e visited nike.co	/Pegasus-34 g for nike.com Pegasus 34 om 2 times. L	4/Running - n Running Sh .ast visit: 5	Shoes 🔻 oes. Faster & days ago	Noes - nike.c More Comfortal	ble than Ever.
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	run fa		beginners and	dexperience	ed runners, th	he Nike Air Zoom	of choice for anybody ready to Pegasus 34 Men's Running



What can we measure?

- Clicks
 - # of time a user clicked on the Ad
- Impressions
 - # of times the Ad appeared in front of the user
- Click Through Rates
 - CTR = Clicks/Impressions
- Return on Marketing Investment (ROMI)
 - $\frac{Gross\,Margin-Expeditures}{100}$

Expenditures



Sales Margins (%) = 50% (for every sale the owner makes 50% of the total sale)

Campaign	Keywords	Clicks	Marketing Expenditure	Sales
1)	Coffee shop local	50	\$10/day	\$50/day
2)	New York City Coffee shop Organic Coffee	100	\$20/day	\$120/day

 $ROMI = \frac{Gross Margin Sales - Expeditures}{Expenditures} \times 100$

What campaign will you choose based on ROMI?



Example: NYC Coffee Shop

1	2	3	4	5	6	7
Keywords	Clicks	Marketing Expenditure	Sales	Gross Margin Sales = Sales x Sales Margin%	Gross Margin = Col. 5-Col.3	ROMI = Col. 6/Col. 3 x 100
Coffee shop local	50	\$10/day	\$50/day	\$25/day	\$15	150%
New York City Coffee shop Organic Coffee	100	\$20/day	\$120/day	\$60/day	\$40	200%



School of Business

Ethical/Societal Discussion





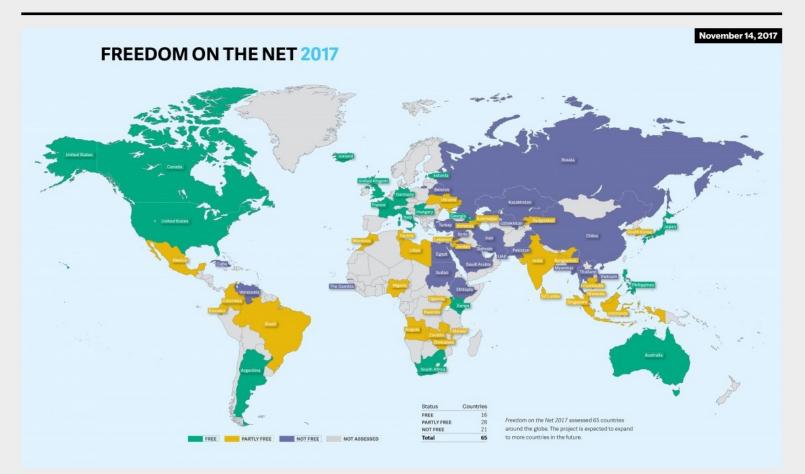
Ethical/Societal Discussion: Spotify





Ethical/Societal Discussion: Social Media

https://freedomhouse.org/report/freedom-net/freedom-net-2017



In 2016 social media was used to influence elections in at least 18 countries



Social election: how social media can bias election

- Facebook
 - In a 61-million-person experiment, researchers show that online social networks influence political participation, with close relationships mattering most



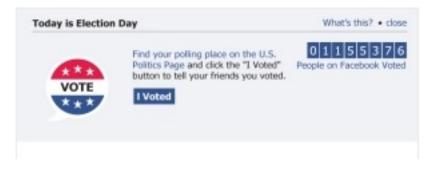
Social election: how social media can bias election – Facebook

Treated group



+280K votes!

Control group



+ 60K votes



Social election: how social media can bias election

- Twitter
 - A surprisingly high percentage of the political discussion that took place on Twitter was created by pro-Donald Trump and pro-Hillary Clinton software robots, or social bots, with the express purpose of distorting the online discussion regarding the elections

– 4M Tweets (20% of the total)!!



Social election: how social media can bias election

- Twitter
 - The presence of these "bots" can affect the political discussion in three ways
 - 1. Influence can be redistributed across (suspicious) accounts
 - 2. The political conversation can become further polarized
 - 3. Spreading of misinformation and unverified information can be enhanced



- Targeted advertising
 - Facebook lets advertisers exclude users by race

	Behaviors > Residential profiles	
	Likely to move	
	Interests > Additional Interests	
	Buying a House	
	First-time buyer	
	House Hunting	
	Add demographics, interests or behaviors	Suggestions Browse
	Narrow Audiance	
	EXCLUDE people who match at least ONE of the	e following ()
	Democrathics - Ethnia Affaire	
	Demographics > Ethnic Affinity	
$\left(\right)$	African American (US)	
	African American (US)	



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 - Facebook lets advertisers exclude users by race
 - Why?



- Targeted advertising
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 - Why?
 - To test Ads on different segments of the population

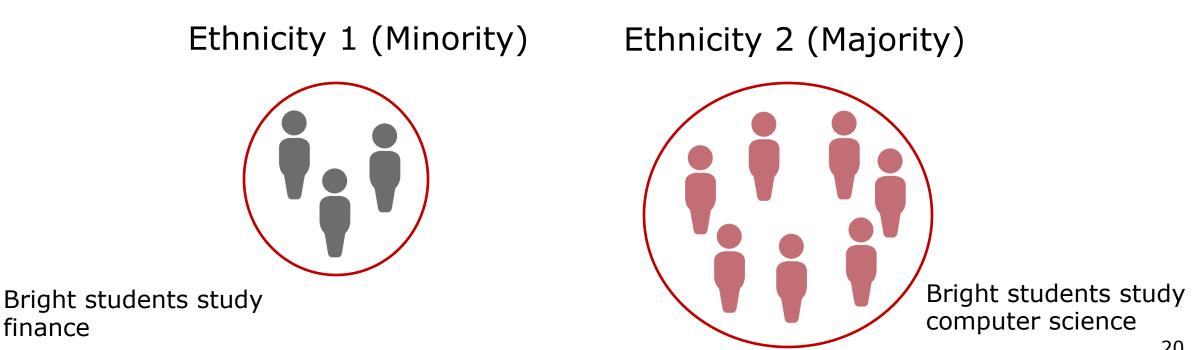


- Targeted advertising
 - Facebook lets advertisers exclude users by race
 - Why?
 - To test Ads on different segments
 - What do you think about this Facebook choice?



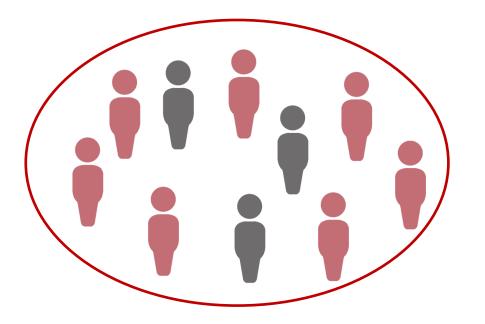
finance

Example: Imagine you are being tasked with selecting bright students from two different ethnicities for an internship



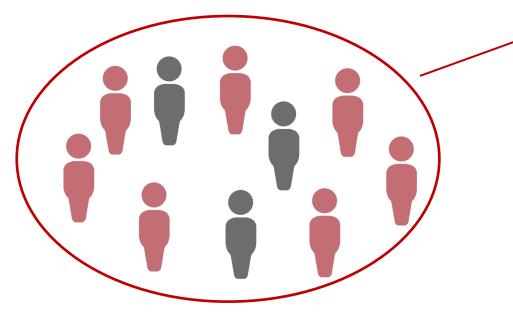


Suppose you don't have ethnicity info





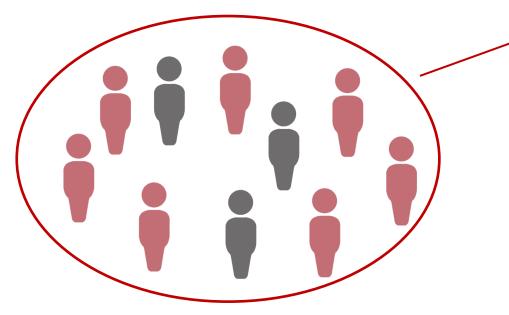
Suppose you don't have ethnicity info



In aggregate most bright students study computer science



Suppose you don't have ethnicity info

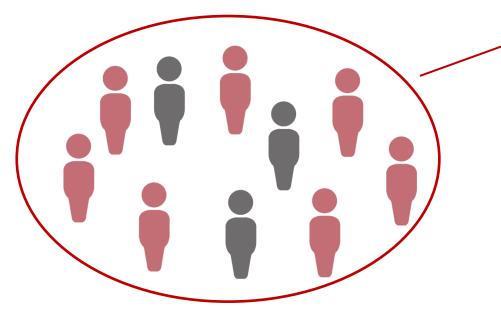


In aggregate most bright students study computer science

An easy way to find good students is to look for students studying computer science



Suppose you don't have ethnicity info



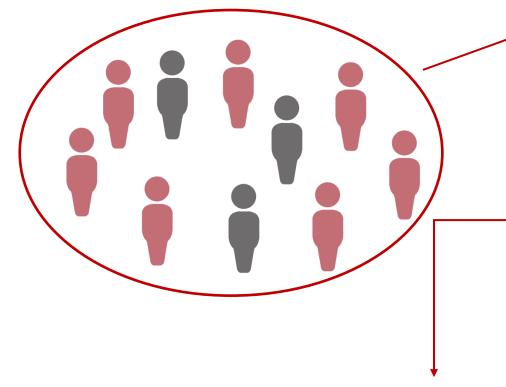
In aggregate most bright students study computer science

An easy way to find good students is to look for students studying computer science

However, a **fair** algorithm for selecting the best students would select minority students who majored in finance, and majority group students who majored in computer science.



Suppose you don't have ethnicity info



In aggregate most bright students study computer science

An easy way to find good students is to look for students studying computer science

However, a **fair** algorithm for selecting the best students would then select minority students who majored in finance, and majority group students who majored in computer science.

Impartial and just treatment or behavior without favoritism or discrimination



- Targeted advertising
 - Facebook lets advertisers exclude users by race
 - Why?
 - To test Ads on different segments
 - What do you think about this Facebook choice?
 - <u>https://www.wired.com/2016/11/facebooks-race-targeted-ads-arent-racist-think/?mbid=social_twitter</u>